CFD-758/768

SERVICE MANUAL

US Model
Canadian Model

Photo: CFD-758

MEGA BASS

Model Name Using Similar Mechanism	CD Section		CFD-703
	Tape Section	CFD-758	CFD-757
		CFD-768	CFD-767
Tape Transport Mechanism Type	CFD-758		MF-758-64PB
	CFD-768	Deck A	MF-768-64PB
		Deck B	MF-767-102
Optical Pickup Block Type			KSM-360AAM

SPECIFICATIONS

CD player section

System: Compact disc digital audio system

Laser diode properties: Material: GaAlAs
Wave length: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 μW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block.)

Spindle speed: 200 r/min (rpm) to 500 r/min (rpm) (CLV)

Error correction: Sony Refined Super Strategy Cross Interleave Reed Solomon Code

Number of channels: 2

Frequency response: 20–20,000 Hz ± 2 dB

Wow and flutter: Below measurable limit

Radio section

Frequency range: FM: 87.5–108 MHz
AM: 530–1,710 kHz

Antennas: FM: Telescopic antenna
AM: Built-in ferrite bar antenna

Cassette-corder section

Recording system: 4-track 2-channel stereo

Fast winding time: Approx. 120s (sec.) with Sony cassette HF60

Frequency response: TYPE I (normal) cassette:
50–10,000 Hz

General

Speaker: Full range:
8 cm (3¼ inches) dia.,
4 ohms cone type
Tweeter: 5 cm (2 inches) dia.

Inputs: Mixing microphone input jack (minijack):
Sensitivity 2.45 mV
For low impedance microphone

Outputs: Headphones jack (stereo minijack):
For 8–32 ohms impedance headphones

—Continued next page—

使用時は添付資料も参照のこと
Refer to the additional documents.

CD RADIO CASSETTE-CORDER

SONY®

Power output (excluding US model): 10 W + 10 W (at 4 ohms, 10 % harmonic distortion in DC operation)

Power requirements:
For CD radio cassette-corder:
120 V AC, 60 Hz (Other models)
12 V DC, 8 size D (R20) batteries
For clock/timer/memory:
6 V DC, 4 size AA (R6) batteries
For remote commander:
3 V DC, 2 size AA (R6) batteries

Power consumption: 43 W (Canadian model)
40 W (Other models)

Battery life: For CD radio cassette-corder:

	FM recording	Tape playback	CD playback
Sony SUM-1 (NS)	approx. 4 h	approx. 2 h	approx. 1 h
Sony Alkaline AM1	approx. 12 h	approx. 5.5 h	approx. 3 h

For clock/timer/memory:
approx. 1 year
For remote commander:
approx. 6 months

Dimensions: 633 x 208 x 246 mm (w/h/d)
(25 x 8¼ x 9¾ in.) (incl. projecting parts and controls)

Mass: 9.5 kg (20 lb. 15 oz.)
(incl. batteries)

Supplied accessories: AC power cord (1)
Remote commander (1)

Design and specifications subject to change without notice.

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SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

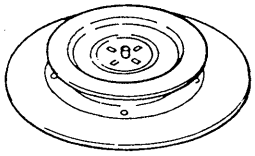
NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 25 cm away from the objective lens.

CHUCK PLATE JIG ON REPAIRING

On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

- Code number of Chuck Plate Jig: X-4918-255-1



SAFETY - RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÉCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÉCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer :
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate lowvoltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable.
(See Fig. A)

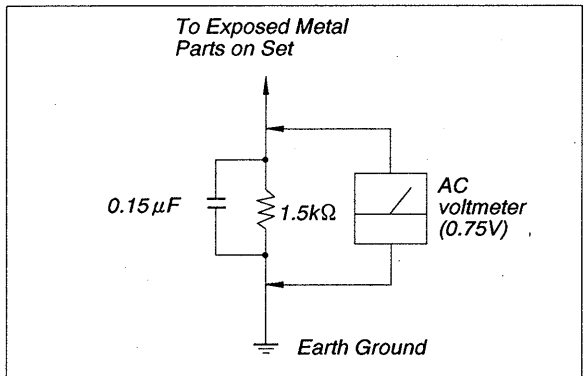
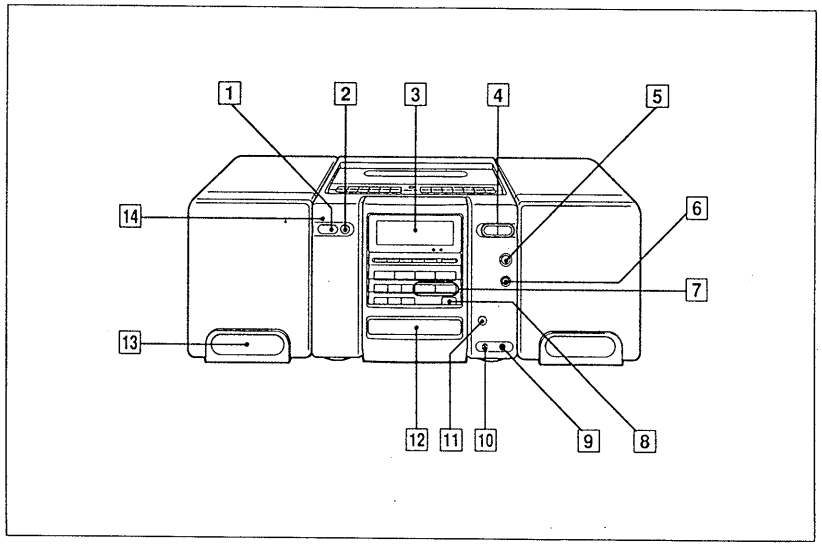


Fig. A. Using an AC voltmeter to check AC leakage.

Looking at the Controls

CD Player and Clock/Timer



1 POWER switch

2 SLEEP button *(28)*

3 MULTI-OPERATION DISPLAY *(8)*

4 VOLUME buttons

5 SOUND MODE button *(12)*

6 MEGA BASS button *(12)*

7 TUNING/TIME SET buttons *(12)*

8 Remote sensor

9 MIX MIC jack *(31)*

10 PHONES (headphones) jack (stereo mini-jack)

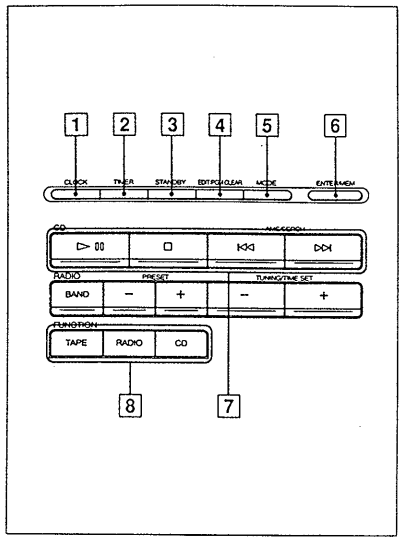
11 ⏏ OPEN/CLOSE button

12 Disc tray

13 Duct
Reproduces bass sound.

14 OPR/BATT (operation/battery) indicator

Close-Up of Front Control Panel



1 CLOCK button *(12)*

2 TIMER button *(29, 30)*

3 STANDBY button *(29, 30)*

4 EDIT/PGM CLEAR (program clear) button *(27)*

5 MODE button *(18)*

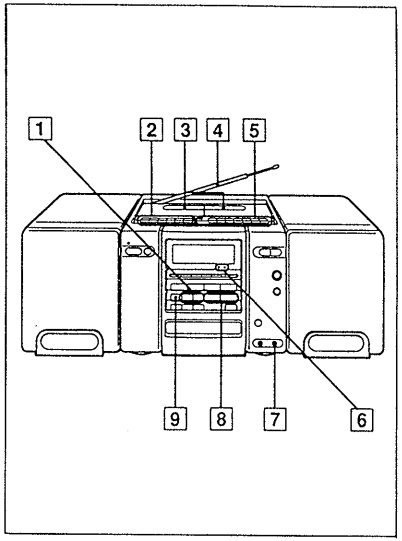
6 ENTER/MEM (memory) button *(12, 15, 27)*

7 CD operation buttons
▷II (play/pause)
□ (stop)
⏮/⏭ AMS*/SEARCH

8 FUNCTION buttons
TAPE: for playing or dubbing a tape
RADIO: for playing or recording a radio program
CD: for playing or recording a CD

* AMS: Automatic Music Sensor

Radio and Tape Player



1 PRESET buttons *(15)*

2 Tape operation buttons for deck A

3 Cassette compartments

4 Telescopic antenna *(14)*

5 Tape operation buttons for deck B

6 REV◁/▷FWD (reverse/forward) indicators (CFD-768 only)

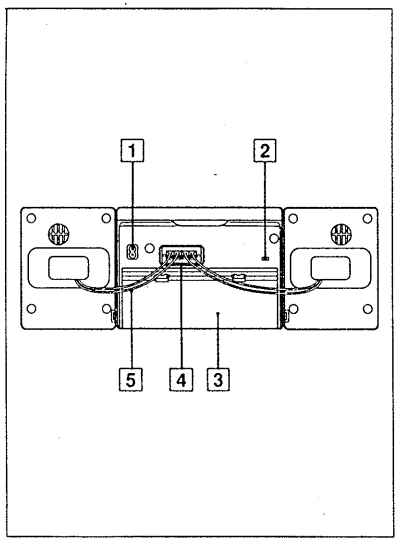
7 MIX MIC (mixing microphone) jack (mini-jack) *(31)*

8 TUNING/TIME SET button *(14, 27)*

9 BAND button *(14)*

This section is extracted from instruction manual.

Rear Panel



1 AC IN (AC power input) socket
Connect to the wall outlet.

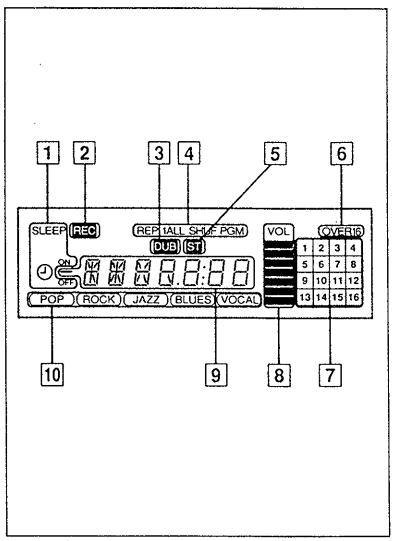
2 ISS (interference suppress switch) *(23)*

3 Battery compartment *(11)*

4 SPEAKER OUTPUT terminals *(10)*

5 Speaker wires

Display Window



1 Timer indications

2 REC (record) indication

3 DUB indication

4 CD play mode indications

5 ST (stereo) indication

6 OVER 16 indication

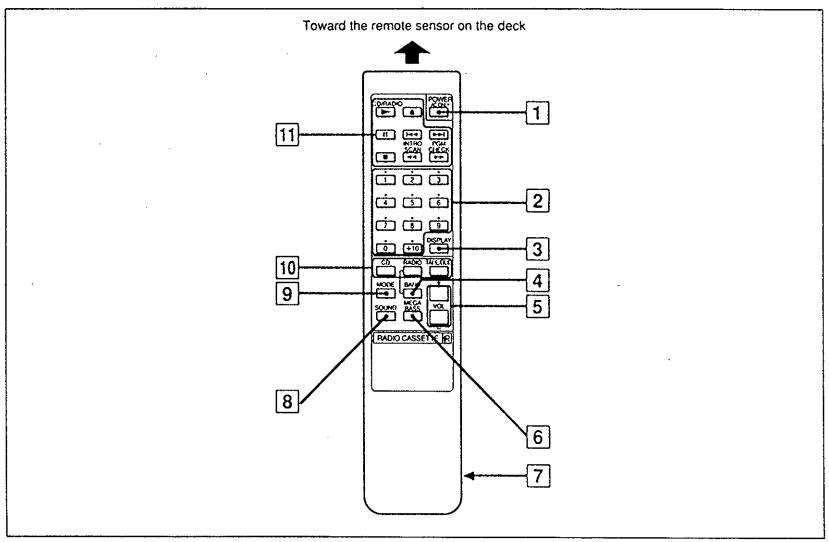
7 Music calendar/preset radio station numbers

8 VOL (volume) indication

9 Time/frequency indications

10 SOUND MODE indications

Remote Commander



Controls on the remote commander with the same name as those on the deck have the same function. Some controls such as the number buttons are located only on the remote commander.

1 POWER switch

2 Number buttons *(17, 19)*

3 DISPLAY button

4 BAND button

5 VOL (volume) buttons

6 MEGA BASS button

7 Battery compartment

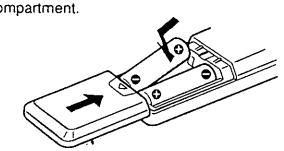
8 SOUND mode button

9 MODE button

10 FUNCTION buttons
CD: for playing or recording a CD
RADIO: for playing or recording a radio program
TAPE/DUB: for playing or dubbing a tape

11 CD operation buttons
► (play)
≙ (open/close)
II (pause)
I◄◄/►►I (AMS)
■ (stop)
◄◄/INTRO SCAN (search/intro scan play)
►►/PGM CHECK (search/program check)

Installing batteries
Insert two size AA (R6) batteries (not supplied) into the battery compartment.

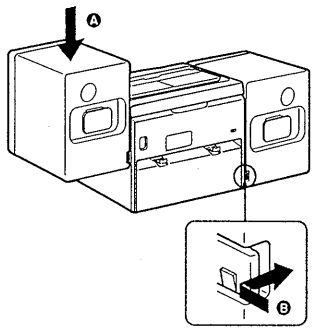


To avoid malfunction, keep the commander away from direct sunlight or strong illumination.

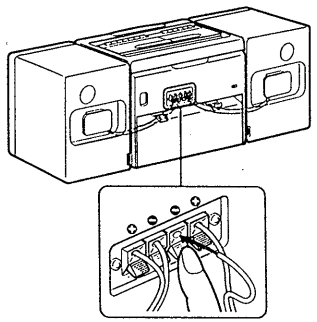
Connecting the Speakers

For easy transport, the dual speakers are detachable. Before you begin listening to music, attach the speaker boxes and connect the speaker wires as shown below. Make sure you turn off the power before making any connections.

1 Align the grooves and slide the speaker box down until it snaps into place. Ⓐ



2 Connect the black wires to (–) minus terminals and the red wires to (+) plus terminals. Connect the right speaker wires to the R terminals, and the left speaker wires to the L terminals.

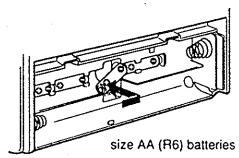


To detach the speakers
Unlock the speaker Ⓑ and slide the speaker box all the way up and away from the player.

Choosing Power Sources

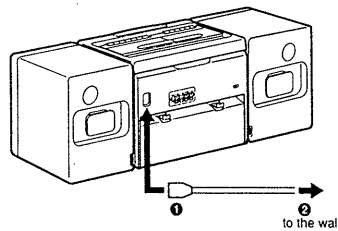
The CD cassette-corder has three separate power sources. Use the AC power source whenever you record because recording consumes the most power. Use eight size D (R20) batteries when the CD cassette-corder becomes a portable. At all times keep four size AA (R6) batteries installed to keep the clock powered and programmed settings in memory.

Installing batteries for the clock/timer/memory
Remove the CD from the player to prevent it from falling out. In the smaller compartment insert four size AA(R6) batteries (not supplied) for the clock/timer/memory.



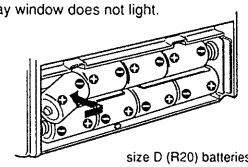
size AA (R6) batteries (4)

Operating the player on AC power
Insert one end of the supplied AC power cord to the AC IN socket located at the rear of the player ❶ and the other end to the wall outlet ❷.



to the wall outlet

Operating the player on batteries
To play your CD cassette-corder on batteries, the AC power cord must be disconnected from the player. Unplug the player and insert eight size D (R20) batteries (not supplied) in the larger compartment.
When you operate the player on batteries, the back light in the display window does not light.



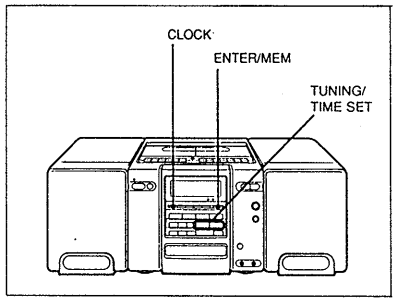
size D (R20) batteries (8)

When to replace the batteries
- Replace the size D (R20) batteries when: the OPR/BATT indicator dims or when the player stops operating.
- Replace the size AA (R6) batteries when: the indications in the display window dim or the clock stops operating.

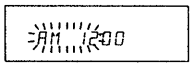
When the batteries are weak, replace all the batteries with new ones. Connect the player to the AC power source when replacing the size AA (R6) batteries so that the memory data for the CD player and radio will not be erased.

Setting the Clock

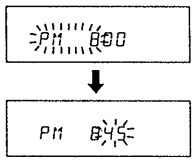
To use the timer, you need to set the clock. Insert four size AA (R6) batteries in the small battery compartment, and connect the CD cassette-corder to a wall outlet or insert eight size D (R 20) batteries (see *Choosing Power Sources* on page 11).



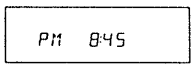
1 Depress and hold CLOCK until "AM" or "PM" and the hour digit flashes.



2 Set the current hour by pressing TUNING/TIME SET (–/+) until the correct hour is displayed. Then press ENTER/MEM.
The minute digits flash.
Set the minutes the same way.



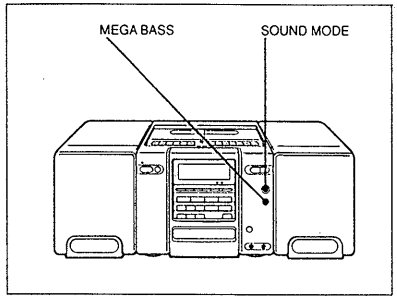
3 Press CLOCK again.
The clock starts from 00 seconds. The clock disappears after about 4 seconds.



To check the time while playing a CD or the radio
Press CLOCK. The current time appears for about 4 seconds.

Selecting the Audio Emphasis

When playing CDs, tapes, or radio programs, use the SOUND MODE button or the MEGA BASS button to adjust the audio emphasis of the sound you are listening to.



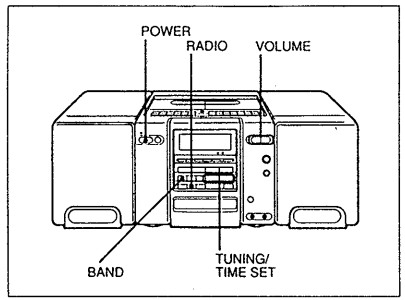
To choose the sound characteristic
Press SOUND MODE on the deck or SOUND on the remote commander to select the audio emphasis you want. Choose one of the following options:

Choose	To get
POP	Light, bright sounds, emphasizing high and middle range audio
ROCK	Powerful, clear sounds, emphasizing low and high range audio
JAZZ	Percussive sounds, emphasizing bass audio
BLUES	Powerful, rich sounds, emphasizing middle range audio and a bass sound a little higher than "JAZZ"
VOCAL	The presence of vocals, stressing middle range audio
no indication	The whole dynamic range for music such as classical music

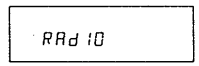
To reinforce the bass sound
Press MEGA BASS.
To resume sound, press MEGA BASS again.

Listening to the Radio

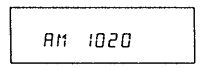
Whenever you want to listen to the radio, press the RADIO button. To quickly find and play your favorite radio stations, store them using the station preset function described in the next two sections.



1 Turn on the power and press RADIO until "RADIO" appears in the display window.



2 Press BAND until the band you want appears.

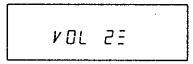


3 Tune in a radio station either automatically or manually.

To tune automatically: Keep pressing TUNING/TIME SET (–/+). Release it when the frequency digits begin to change rapidly in the display. The CD cassette-corder automatically scans the radio frequencies and stops when it finds a clear station.
To tune manually: Press TUNING/TIME SET (–/+) once at a time to tune in a station.

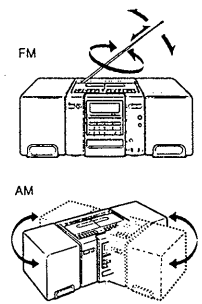
If the radio tunes to an FM stereo broadcast, the "ST" (stereo) indication appears.

4 Press VOLUME to adjust the volume and select the audio emphasis (see *Selecting the Audio Emphasis* on page 12).



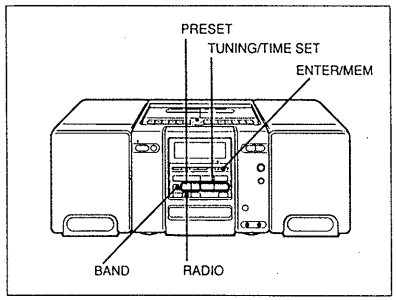
To	Press
Turn off the radio	POWER
Display sound type	MODE once
Reduce FM noise	MODE twice to display "MONO" Though the noise will be reduced, the radio will play in monaural.

To improve broadcast reception
Reorient the antenna (for FM) or the player itself (for AM).

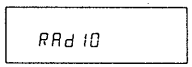


Presetting Radio Stations

You can store radio frequencies in the player's memory to tune in your favorite stations at a touch of a button. You can preset up to 24 radio stations, 12 for each AM and FM band in any order.



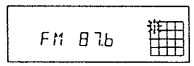
1 Press RADIO until "RADIO" appears in the display window.



2 Press BAND until the band you want appears.

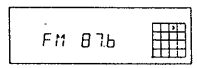
3 Tune in your favorite station by pressing TUNING/TIME SET (–/+).

4 Press and hold ENTER/MEM for about 2 seconds.
A preset number flashes in the music calendar.



5 Decide on a preset number for the station (1 to 12).
Press PRESET (–/+) to display the number.

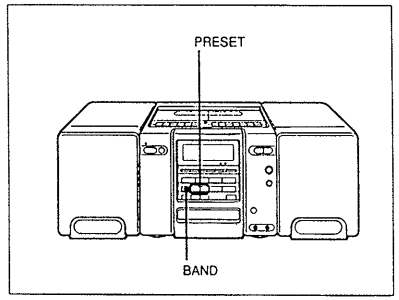
6 Press ENTER/MEM. Your favorite station is stored in memory.



FM 87.6 has been stored on preset number 3.

Playing Preset Radio Stations

Once you have preset the stations, use the PRESET (–/+) buttons to tune in your favorite stations.



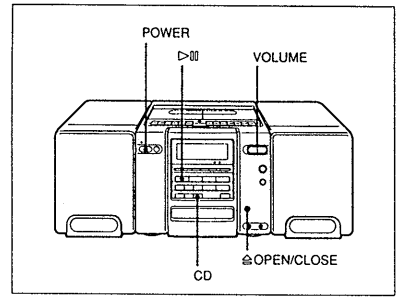
Selecting on the deck
Press BAND to select the band. Then, press PRESET (–/+) to tune in a stored station.

Selecting with the remote commander
Press BAND to select the band. Then, using the number buttons, display the preset number for the station you want to hear. For example, if you want to hear the station set at preset number 9, press 9. For numbers greater than 9 press +10 and another number. For example, to display preset number 10, press +10 and 0.

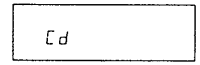
To erase a preset station
Storing a new station on a previously used preset number will erase the old station and replace it with the new one.

Playing a CD (normal play)

You can operate the CD cassette-corder from the deck or with the supplied remote commander. Also, you can play 12 cm (5 inch) and 8 cm (3 inch) CDs without an adaptor.

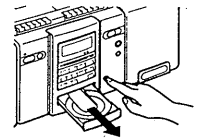


1 Turn on the power and press CD until "Cd" appears in the display window.

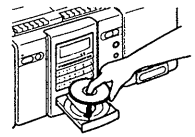


If there is no disc on the tray "no disc" lights in the display window.

2 Press ⏏ OPEN/CLOSE to open the disc tray.

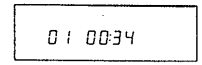


3 Holding the CD by the edge, place the CD on the disc tray with the label side up.

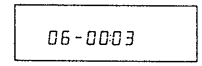


4 Press ⏏ OPEN/CLOSE.
The disc track numbers appear in the music calendar. If the disc contains more than 16 tracks, "OVER 16" appears in the display window.

5 Press ▷II (play).
The CD player plays all the tracks once. The track number and playing time appear in the display window. Tracks disappear from the music calendar as they are played.



Between tracks, the remaining time before the next track is displayed.

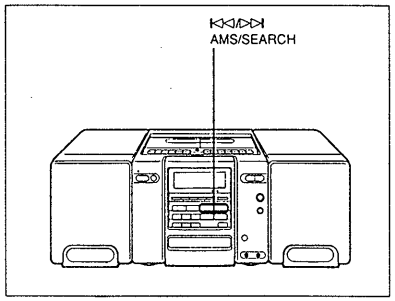


6 Adjust the volume and audio emphasis (See *Selecting the Audio Emphasis* on page 12).
(Be careful not to turn up the volume excessively while listening to a portion with very low audio inputs. If you do, the speakers may be damaged when a peak level plays.)

To	Press	
	Remote	Deck
Stop play	■	□
Pause	II	▷II
Resume play after pause	II	▷II
Remove the CD	First ■, then ⏏	First □, then ⏏
Turn off the power	POWER	POWER

Playing Specific Tracks

You can find the beginning of a track or a point in a track while the player is playing or paused. Find a particular track by specifying the track number.



To find the beginning of a track

To find	Press*	
	Remote	Deck
the beginning of the current track	I◀◀ once	I◁◁ once
the beginning of the previous tracks	I◀◀ repeatedly	I◁◁ repeatedly
the beginning of the next track	▶▶I once	▷▷I once
the beginning of the succeeding tracks	▶▶I repeatedly	▷▷I repeatedly

* If one of the following indications is displayed, press the □ (stop) button to clear the indication: REP 1, REP ALL, REP SHUF, SHUF, PGM, REP PGM.

To find a point in a track

Remote	Deck
In play mode, press ◀◀ or ▶▶. Listen for the point you want to hear.	In play mode, keep pressing I◁◁ or ▷▷I. Listen for the point you want to hear.
In pause mode, press ◀◀ or ▶▶. Observe the time counter.	In pause mode, keep pressing I◁◁ or ▷▷I. Observe the time counter.

To listen to a specific track

Press the number on the remote commander for the track you want to hear. Play starts immediately. To play tracks with numbers equal to or greater than 10, press +10 first, then the number buttons 1 to 0. (*See the examples below.*)

Example:
To play from the 10th selection

Press [+10] → [0]

Display 1 - 10

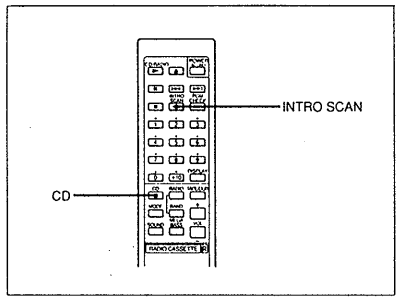
To play from the 33rd selection

Press [+10] → [+10] → [+10] → [3]

Display 1 - 2 - 3 - 33

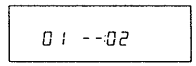
Playing the Beginning of Each Track (intro scan)

You can sample the first 10 seconds of each track on a CD. Use the remote commander for this function in normal play, shuffle play and program play modes.



1 Press CD until "Cd" appears in the display window.

2 Press INTRO SCAN while the player is stopped. The first track plays for ten seconds. The player then skips to the next track to be played.



To start playing a track

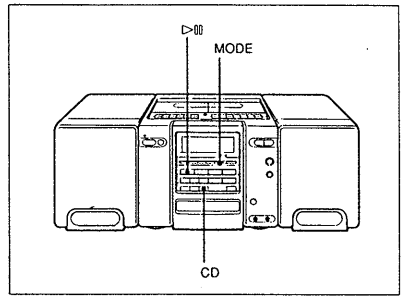
Press ▶ (play).

To cancel intro scan

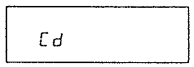
Press any button for CD operation.

Playing Tracks in Random Order (shuffle play)

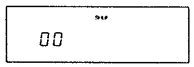
In shuffle play tracks play in mixed order. For example, instead of playing tracks 1, 2, 3 in order, they will play in any order such as 2, 1, 3.



1 Press CD until "Cd" appears in the display window.



2 Press MODE until "SHUF" appears in the display window.



3 Press ▷II (play).
The tracks play in random order. When a track finishes, its track number disappears from the music calendar.

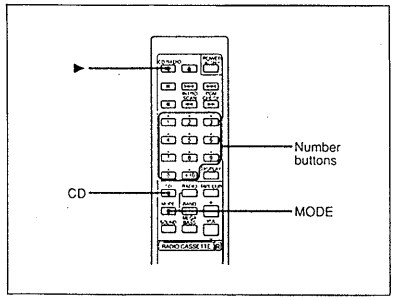
To	Press
Stop shuffle play	□
Cancel shuffle play	MODE until no indication appears in the display

Notes

- You cannot display the remaining time on the CD during shuffle play.
- When you display "SHUF" during normal play, shuffle play begins from the selection being played.

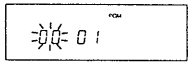
Playing Tracks in the Desired Order (program play)

Program the CD cassette-corder to play tracks in any order you choose. Use the remote commander for this.

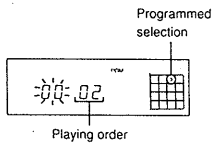


1 Press CD until "Cd" appears in the display window.

2 Press MODE until "PGM" appears in the display window.



3 Press the number buttons on the remote commander for the tracks you want played in the order you want them played (e.g., 6, 1, 9). Up to 17 tracks can be programmed.



To check the total playing time while programming tracks
While you are programming the tracks, press DISPLAY. The total plying time of the programmed selections will be displayed.

If you make a mistake
Press EDIT/CLEAR on the deck once and re-enter the track number.

4 Press ▶ (play).
The tracks play in the order programmed. The track numbers disappear as the selections are played. When the last track has played, all the programmed track numbers light in the music calendar again.

To	Press
Stop play	■
Cancel program play	MODE until no indication appears in the display

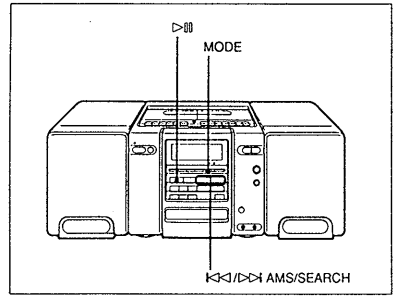
To change the order of the tracks
To change the order of the tracks, you must erase the current program and create a new one.

To erase the current program
Press ■ (stop) once if the CD is stopped and twice if the CD is playing. The current program will be erased. Follow the steps in *Playing Tracks in the Desired Order* to create a new program.

To program the tracks on the deck
Press ⏮/⏭ AMS/SEARCH to select the track you want to program and then press ENTER/MEM. Repeat this procedure for up to 17 tracks.

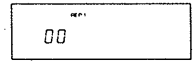
Playing Tracks Repeatedly

You can play tracks repeatedly in normal, shuffle or program play modes. In shuffle play, the tracks play in a different order each time. Repeat only one track or all the tracks.



Repeating a single track

1 Press MODE until "REP 1" appears in the display window.

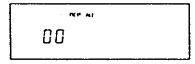


2 Press the number of the track you would like repeated (or use the ⏮/⏭ AMS/SEARCH buttons on the deck).

3 Press ⏯ (play).
The track selected plays repeatedly.

Repeating all the tracks

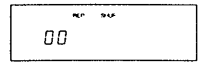
1 Press MODE until "REP ALL" appears in the display window.



2 Press ⏯ (play).
The player begins playing at the first track. When all the tracks have played once, the player starts playing from the first track again.

Repeating tracks in random order

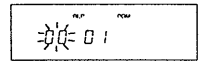
1 Press MODE until "REP SHUF" appears in the display window.



2 Press ⏯ (play).
The player plays all the tracks repeatedly in different orders.

Repeating programmed tracks

1 Press MODE until "REP PGM" appears in the display window.

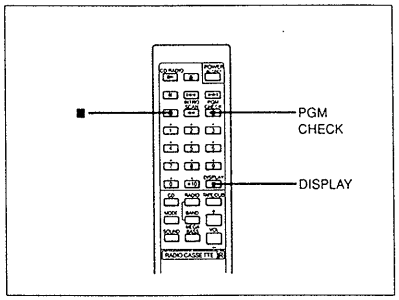


2 Press the number buttons on the remote commander for the tracks you want played in the order you want them played.

3 Press ⏯ (play).
The same program plays repeatedly.

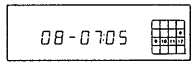
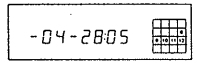
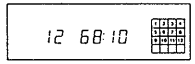
To	Press
Stop play	□
Cancel repeat play	MODE until no indication appears in the display

Checking and Changing Track Order



Checking the remaining time

Use the remote commander to do this.

To display	Press
Remaining time on the current track	DISPLAY once 
Remaining time on the CD and the number of tracks left*	DISPLAY twice 
Playing time and number of tracks	DISPLAY in stop mode 

* If the disc has more than 16 tracks, "OVER 16" appears in the display window, and the remaining time appears as "—:—".

Checking the order of programmed tracks

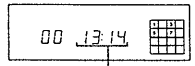
Before playing the CD, press PGM CHECK on the remote commander, or ENTER/MEM on the deck. With each press, the selections appear in the programmed order.

Changing the order of programmed tracks

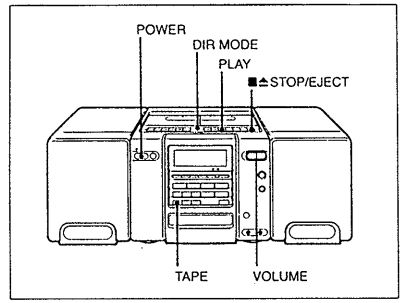
To change the order of the tracks, you must erase the current program and create a new one. Press ■ (stop) once if the CD is stopped and twice if the CD is playing. The current program will be erased.

Checking the total playing time of the programmed tracks

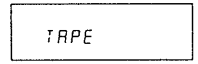
Before playing the CD, press DISPLAY on the remote commander.
The total playing time appears. When a pause has been programmed, the playing time after the pause appears.



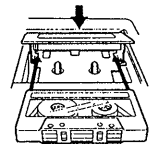
Playing a Tape



1 Turn on the power and press TAPE until "TAPE" appears in the display window.



2 Press ■ ≙ STOP/EJECT to open the tape compartment. Insert a recorded tape with the side you want to play facing up. Close the compartment. (If you have a model CFD-758 skip the next step.)



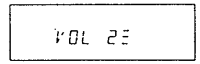
3 **(CFD-768 deck B only)** Choose single- or dual-side play.

To play	Switch DIR MODE to
One side of the tape	⇉
Both sides of the tape from side A to B only*	⊃

* If play begins from side B, the tape stops at the end of that side.

4 Press PLAY to start playing.

5 Adjust the volume and the audio emphasis (see *Selecting the Audio Emphasis* on page 12).



To	Press
Stop play	■ ≙ STOP/EJECT
Pause	II PAUSE
Resume play after pause	II PAUSE
Fast forward*	▶▶ FF
Rewind*	◀◀ REW
Remove the cassette	■ ≙ STOP/EJECT
Turn off the power	POWER

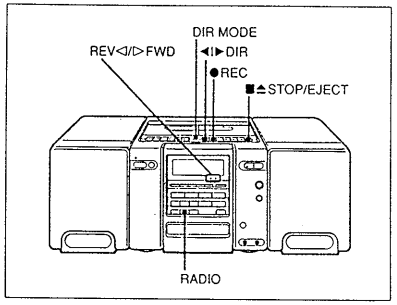
* For the side facing up.

(CFD-768 deck B only) To switch play to the opposite side
Press ◀I▶ DIR. The ▷ FWD or REV ◁ indicator lights to show transport direction for the tape in deck B.

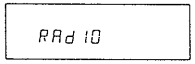
(CFD-768 deck B only) To find a point in a selection
In play mode, press ◀◀ or ▶▶ (CUE/REVIEW). Listen for the point you want to hear.

Recording From the Radio

Whenever you record, we recommend you operate the CD cassette-corder on the AC power cord instead of using batteries because recording consumes a lot of battery power. We recommend you use TYPE I (normal) tape (printed on the tape cassette).



1 Press RADIO until "RADIO" appears in the display window.



2 Tune in the desired radio station.

3 Press ■ ≙ STOP/EJECT and put a blank tape into deck B depending on the model you have:

If you have a CFD-758
Insert the tape with the side you want to record on facing up.

If you have a CFD-768
1 Choose the side of the tape you want to record on.

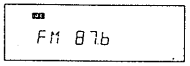
To record on	Press ◀I▶DIR
Side A (facing up)	to light ▷ FWD
Side B (facing down)	to light REV ◁

2 Select dual or single-sided recording.

To record	Switch DIR MODE to
One side of the tape	═
Both sides of the tape from side A to B only*	⊃

* If recording begins from side B, the tape stops at the end of that side.

4 Press ● REC on deck B.
PLAY on deck B depresses automatically. "REC" lights up and recording starts.



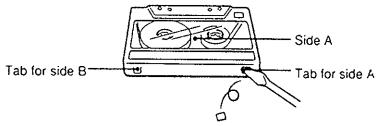
The recording level is adjusted automatically
Adjusting the volume or the audio emphasis will not affect the recording level.

To stop recording
Press ■ ≙ STOP/EJECT on deck B.

To reduce noise while AM recording
If the radio makes a whistling sound, set the ISS (Interference Suppress Switch) at the rear of the unit to the position which most decreases the noise. Normally it is set to "2".

Saving a tape permanently

To prevent a tape from being accidently recorded over, break off the cassette tab from side A or B as illustrated. If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.



To erase a recording

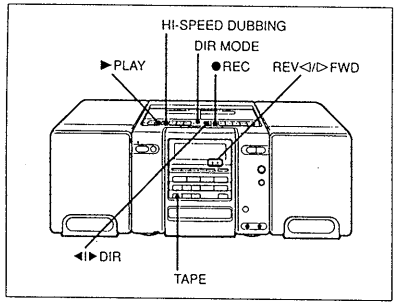
1 Disconnect the microphone if connected at the MIX MIC jack.

2 Press TAPE until "TAPE" appears in the display window.

3 Press ● REC.

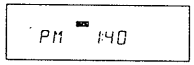
Recording From Another Tape (dubbing)

You can record from one tape to another. Use TYPE I (normal) tape for the best results.



1 Insert a recorded tape in deck A with the side to be played facing up. Close the compartment.

2 Press TAPE until "DUB" appears in the display window.



3 Insert a blank tape into deck B depending on the model you have.

If you have a CFD-758
Insert the tape with the side you want to record on facing up.

If you have a CFD-768
1 Choose the side of the tape you want to record on.

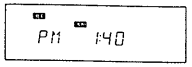
To record on	Press ◀I▶ DIR
Side A (facing up)	to light ▷ FWD
Side B (facing down)	to light REV ◁

2 Select dual or single-sided recording.

To record	Switch DIR MODE to
One side of the tape	═
Both sides of the tape from side A to B only*	⊃

* If recording begins from side B, the tape stops at the end of that side.

4 Press ● REC on deck B.
PLAY on deck B depresses automatically. "REC" and "DUB" appear in the display window and deck B stands by for recording.



5 Select the recording speed. Choose one of two options:

To record at	Press
Normal speed	▶ PLAY on deck A
High speed	HI-SPEED DUBBING on deck A

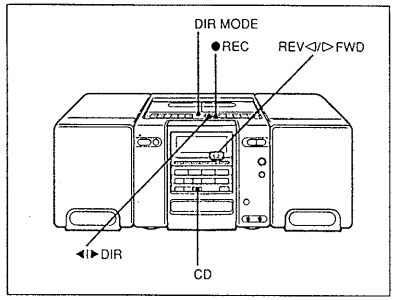
- If the tape in deck A finishes first, the ▶ PLAY button will pop up and deck B will stop. The ● REC and PLAY buttons on deck B will still be depressed. To release them, press the ■ ≙ STOP/EJECT button.
- If the tape in deck B finishes first, the ● REC and PLAY buttons on deck B will pop up. Deck A will continue to play.

The recording level is adjusted automatically
Adjusting the volume or the audio emphasis will not affect the recording level. However, these controls will change the sound levels you hear through speakers or headphones.

To	Press
Stop recording	■ ≙ STOP/EJECT on deck A, then B
Stop playing	■ ≙ STOP/EJECT on deck A
Pause during play	II PAUSE on deck A
Pause during record	II PAUSE on the deck B

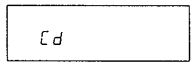
Recording a CD

You can record from a CD to a tape. Use a TYPE I (normal) tape for the best results.



1 Insert a CD.

2 Press CD until "Cd" appears in the display window.



3 Insert a blank tape into deck B depending on the model you have.

If you have a CFD-758
Insert the tape with the side you want to record on facing up.

If you have a CFD-768
1 Choose the side of the tape you want to record on.

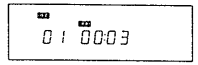
To record on	Press ◀I▶ DIR
Side A (facing up)	to light ▷ FWD
Side B (facing down)	to light REV ◁

2 Select dual or single-sided recording.

To record	Switch DIR MODE to
One side of the tape	=
Both sides of the tape from side A to B only*	⊃

* If recording begins from side B, the tape stops at the end of that side.

4 Press ● REC on deck B.
PLAY depresses automatically. The "REC" and "DUB" indications appear and recording starts from the beginning of the CD.

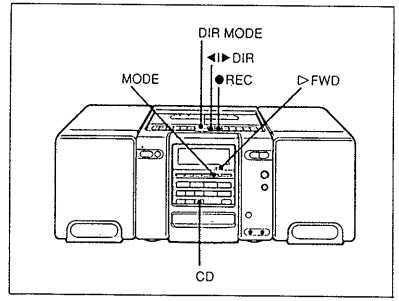


The recording level is adjusted automatically
Adjusting the volume or the audio emphasis will not affect the recording level. However, these controls will change the sound levels you hear through speakers or headphones.

To	Press
Stop recording	■ ≙ STOP/EJECT on deck B
Stop play	□ on the CD player
Pause during play	▷II on the CD player
Pause during record	II PAUSE on deck B

Recording a CD: Specifying Track Order

You can have the CD cassette-corder create programs based on either track order or tape length. To record based on tape length, see the next section, *Recording a CD: Specifying Tape Length*.
Choose the order that tracks record on a tape by making programs for sides A and B of the tape. Record on TYPE I (normal) tape.



1 Insert a CD.

2 Insert a blank tape to deck B with the side you want to record facing up. Press ◀I▶ DIR to light ▷ FWD (CFD-768 only).

3 Press CD until "Cd" appears in the display window.

4 Press MODE until "PGM" appears in the display window.

5 Press the number buttons on the remote commander for the tracks you want to record in the order you want them to record for one side.

To check the total playing time while programming tracks
While you are programming the tracks, press DISPLAY. The total playing time of the programmed selections will be displayed.

If you make a mistake
Press EDIT/PGM CLEAR on the deck once and re-enter the track number.

6 Determine how you want to record based on the model you have:

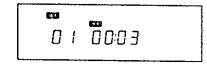
If you have a CFD-758
To record on both sides of the tape
1 Press II on the remote commander to enter a pause.
2 Continue programming for the second side (step 5 above).
3 Go to step 7. After the tape finishes recording the first side, turn over the tape manually and press ● REC again.

To record on one side of the tape
• Go to step 7.

If you have a CFD-768
To record on both sides of the tape
1 Press II on the remote commander to enter a pause.
2 Continue programming for the second side (step 5 above).
3 Set the DIR MODE selector to ⊃.
4 Go to step 7.

To record on one side of the tape
1 Set DIR MODE to =.
2 Go to step 7.

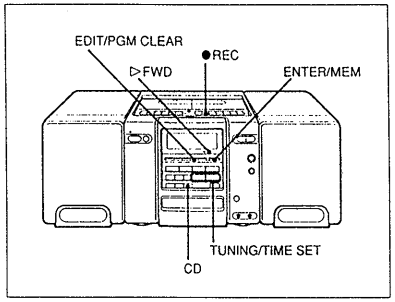
7 Press ● REC
"REC" and "DUB" appear in the display window and recording starts.



To cancel record
Press ■ ≙ STOP/EJECT on the tape deck.

Recording a CD: Specifying Tape Length

You can have the CD player make programs that will fit the length of the tape. Use a TYPE I (normal) tape.



1 Insert a CD.

2 Insert a blank tape to deck B with the side you want to record on facing up. Press ◀I▶ DIR to light ▷ FWD and set DIR MODE to ⊃ (CFD-768 only).
Use a tape longer than the total playing time of the disc.

3 Press CD until "Cd" appears in the display window.
If "SHUF" or "PGM" is displayed, press the □ (stop) button until the indication disappears.

4 Press EDIT/PGM CLEAR to select EDIT 1, EDIT 2 or EDIT 3 based on the following options:

Note: When you press EDIT/PGM CLEAR, the track orders for program play (*page 19*) will be erased.

To have the player	Select
Fit tracks on the tape without changing the original CD order.	EDIT 1
Fit tracks on the tape letting the player change the original CD order for the best fit.	EDIT 2
Record all the tracks on the tape in the original CD order. If the last track on side A has to be cut, the track will start recording again from the beginning on side B.	EDIT 3

If you've selected EDIT 3, skip steps **5** and **6**.

5 Enter the total tape length by pressing TUNING/TIME SET (–/+).

6 Press ENTER/MEM.
The player automatically creates programs for sides A and B of the tape. The tracks that will play appear in the music calendar.

The indication "14" shows that 12 tracks plus a pause have been programmed. Additional tracks can be porgrammed from the 14th step.

If the CD total playing time exceeds the tape length, the tape length flashes and "– –" is displayed.
Replace the tape with a longer tape and repeat from step 5.

7 Press ● REC on deck B.
"REC" and "DUB" appears in the display window and recording starts.

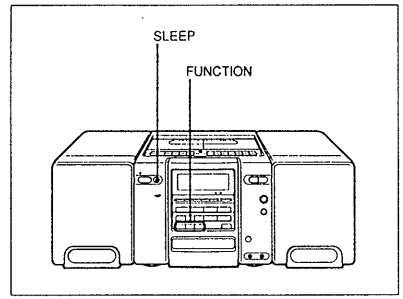
When recording on side A is finished, the CD player pauses and the tape runs to the end of side A (erasing any previous recordings). Then, either the tape will start recording on side B automatically (CFD-768) or you will have to take the tape out and turn it over (CFD-758).

Note: If you open the disc tray, the track order programmed to record will be erased.

To cancel programmed record
Press ■ ≙ STOP/EJECT on the tape deck.

Falling Asleep to Music

You can set the CD cassette-corder to turn on and/or off at a certain time. This is convenient when you want to wake up or go to sleep to music or (CFD-768 only) record a radio program when you are out. To fall asleep to music use the sleep timer.



1 Press one of the three FUNCTION buttons for the type of music you want to fall asleep to: TAPE, RADIO or CD.

2 Play the desired music source.

To play	Press
a Tape	▶ PLAY
the Radio	BAND, and tune in a station
a CD	▷II

3 Press SLEEP.
"SLEEP" appears in the display window. The CD cassette-corder plays for 120 minutes, then shuts off automatically.

* Note that the display back light does not function while the sleep timer is operating.

To cancel the sleep function
Press SLEEP again or turn off the power.

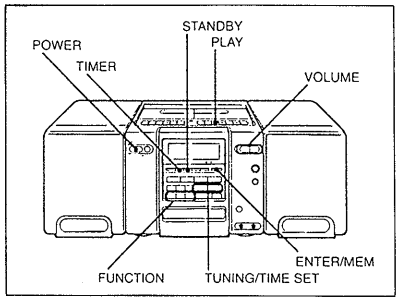
Falling asleep and waking up to different music

1 Set the wake up timer by following steps 1 – 9 in *Waking Up to Music* on the next page.

2 Activate the sleep function by following steps 1 – 3 in *Falling Asleep to Music* on this page.

Waking Up to Music

You can wake up to music at a preset time. Make sure the current time is correct. If it is not, reset it referring to the section *Setting the Clock* on page 12. Make sure the ⏲ (clock) indication is not lit in the display window.



1 Turn on the power and press TIMER.
The ⏲ (clock) and function indications flash.

2 Press one of the three FUNCTION buttons for the type of music you want to listen to: TAPE, RADIO or CD.

3 Prepare the desired music source.

To play	Do this
a Tape	Insert a tape in deck B
the Radio	Tune in a station
a CD*	Place a CD on the disc tray

* You can play a CD in any play mode.

4 Press ENTER/MEM.

5 Set the timer to the hour you want the music to go on by pressing TUNING/TIME SET (–/+), then ENTER/MEM. Set the minutes, then press ENTER/MEM.

6 Set the volume by pressing VOLUME.

7 Press TIMER.
All your settings have been stored in the memory of the CD cassette-corder.

8 Press STANDBY.
The ⏲ (clock) indication lights and the power goes off.

9 Press PLAY on deck B if you have inserted a tape.
At the preset time, the power will go on and the music will play. Two hours after the turn-on time, the power will go off again.

To check when the player will go on
Press TIMER, then ENTER/MEM.
Each time you press the ENTER/MEM button, each stored setting appears. After you have checked the time, press TIMER again.

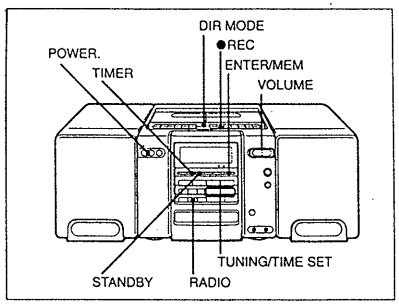
To stop play of	Press
the Tape	■ ≙ STOP/EJECT, then POWER
the Radio	POWER
the CD	□, then POWER

To cancel the timer
Press STANDBY to make the ⏲ (clock) indication disappear from the display window.

To have the player go on the next day at the same time
You need not set the timer again. The preset time and the sound source you chose are stored in memory until you reset them. If the ⏲ (clock) indication is not lit in the display window, press STANDBY to reactivate the timer.

(CFD-768 Only) Timer-Recording Radio Programs

You can set the timer to record the radio at a certain time. Make sure the current time is correct. If it is not, reset it referring to the section *Setting the Clock* on page 12. Make sure the ⏲ (clock) indication is not lit in the display window.



1 Turn on the power and press RADIO. Tune in the radio station you want to record.

2 Insert a blank tape to deck B with the side you want to record on facing up. Press ◀I▶ DIR to light ▷ FWD.

3 Select dual or single-sided recording.

To record on	Set DIR MODE to
Both sides of the tape	⥲
One side of the tape	⥱

4 Press TIMER.
The ⏲ (clock) and function indications flash.

5 Press RADIO, then ENTER/MEM.

6 Set the timer to the hour you want the music to go on by pressing TUNING/TIME SET (–/+), then ENTER/MEM. Set the minutes and press ENTER/MEM.

7 Set the volume you want the radio program to record at by pressing VOLUME.

8 Press TIMER.
All your settings have been stored in the memory of the CD cassette-corder.

9 Press STANDBY.
The ⏲ (clock) indication lights and the power goes off.

10 Press ● REC.
At the preset time the power will go on automatically and recording will start. The power will go off again two hours later.

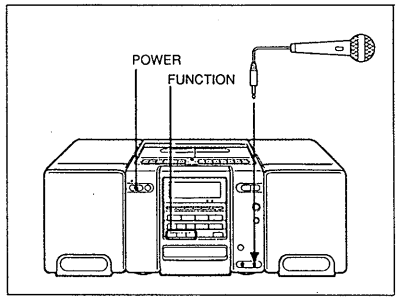
To check when recording will start
Press TIMER, then ENTER/MEM. Each time you press ENTER/MEM, a stored setting (including the volume) lights up. When you finish checking, press TIMER again. The display which was lit before you pressed TIMER will reappear.

To stop recording
Press ■ ≙ STOP/EJECT, then press POWER.

To cancel the timer
Press STANDBY to make the ⏲ (clock) indication disappear.

Setting Up a P-A System

You can use the CD cassette-corder as a public address system. You can also mix sounds by adding your voice or other audio through the microphone as you record. Use a monaural microphone with mini-plug (not supplied).



1 Plug the microphone into the MIX MIC jack and turn on the microphone and the CD cassette-corder.

2 Press one of the FUNCTION buttons to choose a sound source.

To	Press
Use the CD cassette-corder as a public address system	TAPE
Mix sound	TAPE, RADIO or CD

3 Sing or speak into the microphone and adjust the volume.

To record mixed sounds

Insert a tape (TYPE I) in deck B and press ● REC. The recording level is adjusted automatically.

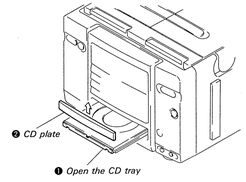
Notes on the microphone

- If acoustic feedback (howling) occurs, turn down the volume or move the microphone away from the speakers. We do not recommend you use a microphone that has an echo function.
- Microphone sounds cannot be mixed in high-speed dubbing mode.

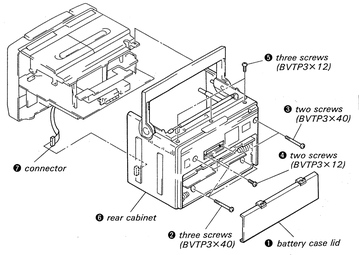
SECTION 2
DISASSEMBLY

NOTE: Follow the disassembly procedure in the numerical order given.

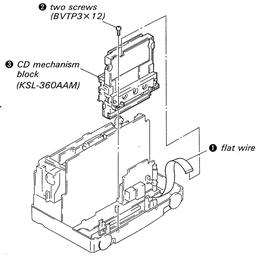
CD PLATE REMOVAL



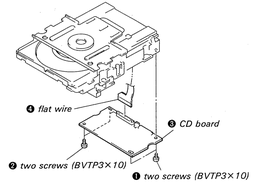
REAR CABINET REMOVAL



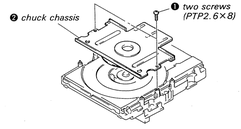
CD MECHANISM BLOCK REMOVAL



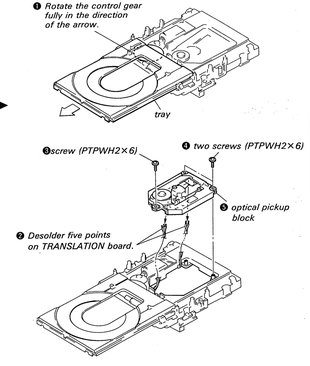
CD BOARD REMOVAL



CHUCK CHASSIS REMOVAL

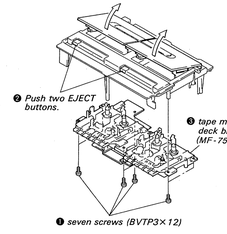


OPTICAL PICKUP BLOCK REMOVAL

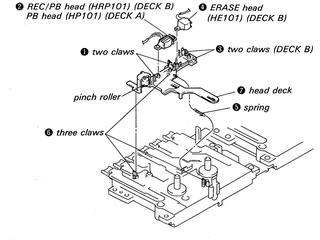

❶ Rotate the control gear fully in the direction of the arrow.
tray
❸screw (PTPWH2×6)
❹ two screws (PTPWH2×6)
❺ optical pickup block
❷ Desolder five points on TRANSLATION board.

TAPE MECHANISM DECK BLOCK REMOVAL

CFD-758

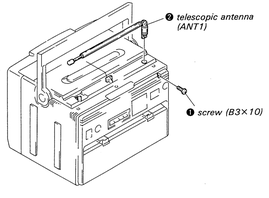


HEAD DECK AND HEAD REMOVAL

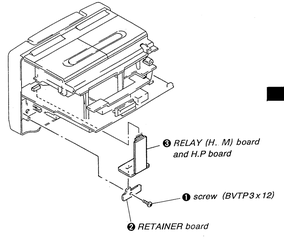


CFD-768

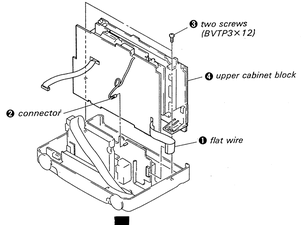
TELESCOPIC ANTENNA REMOVAL



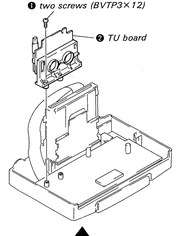
H.P BOARD REMOVAL



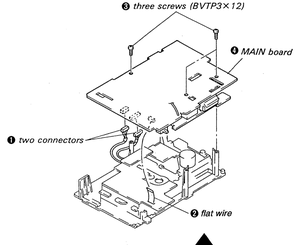
UPPER CABINET BLOCK REMOVAL



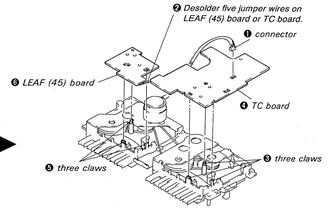
TU BOARD REMOVAL



MAIN BOARD REMOVAL

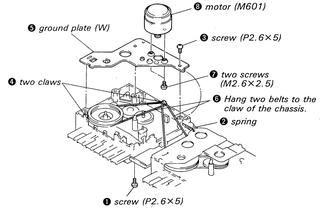


TC AND LEAF (45) BOARDS REMOVAL

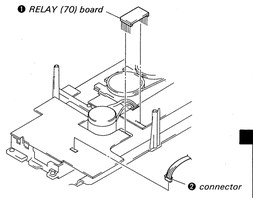


CFD-768

MOTOR REMOVAL

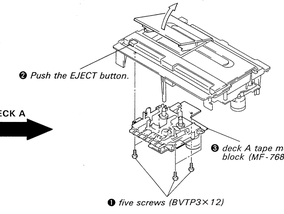

❻ motor (M601)
❺ ground plate (W)
❸ screw (P2.6×5)
❹ two claws
❼ two screws (M2.6×2.5)
❽ Hang two belts to the claw of the chassis.
❾ spring
❶ screw (P2.6×5)

RELAY (70) BOARD REMOVAL

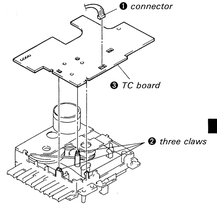


DECK A

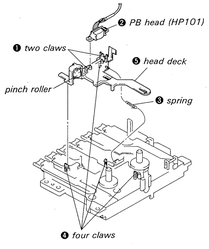
DECK A TAPE MECHANISM BLOCK REMOVAL



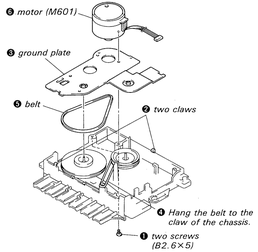
TC BOARD REMOVAL



HEAD DECK AND HEAD REMOVAL

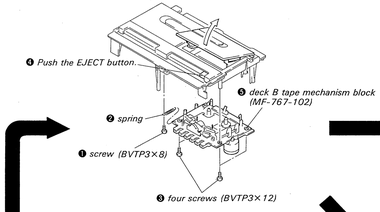


MOTOR REMOVAL

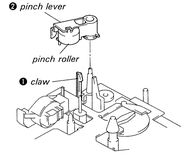


DECK B

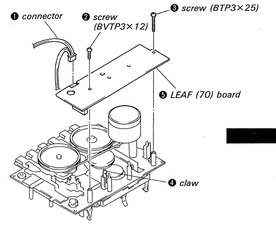
DECK B TAPE MECHANISM BLOCK REMOVAL



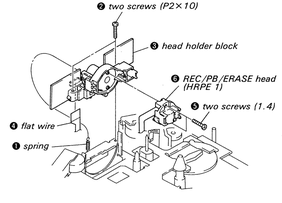
PINCH LEVER REMOVAL



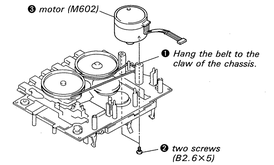
LEAF (70) BOARD REMOVAL



HEAD REMOVAL



MOTOR REMOVAL



SECTION 3
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback head　　pinch roller
   erase head　　rubber belts
   capstan　　idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be perfomed with the rated power supply voltage unless otherwise noted.
6. Power supply voltage: 9V DC.

Torque Measurement

CFD-758

Torque	Torque meter	Meter reading
Forward	CQ-102C	20—60g · cm (0.28—0.83 oz · inch)
Forward back tension	CQ-102C	2—6g · cm (0.028—0.083 oz · inch)
Fast Forward	CQ-201B	more than 45g · cm (more than 0.62 oz · inch)
Rewind	CQ-201B	more than 45g · cm (more than 0.62 oz · inch)

CFD-768

Torque		Torque meter	Meter reading
Forward	DECK A	CQ-102C	20—60g · cm (0.28—0.83 oz · inch)
	DECK B		25—60g · cm (0.34—0.83 oz · inch)
Forward back tension	DECK A	CQ-102C	2—6g · cm (0.028—0.083 oz · inch)
	DECK B		2—5g · cm (0.028—0.069 oz · inch)
Reverse	DECK B	CQ-102RC	25—60g · cm (0.34—0.83 oz · inch)
Reverse back tension	DECK B	CQ-102RC	2—5g · cm (0.028—0.069 oz · inch)
Fast Forward	DECK A	CQ-201B	more than 45g · cm (more than 0.62 oz · inch)
	DECK B		more than 55g · cm (more than 0.76 oz · inch)
Rewind	DECK A	CQ-201B	more than 45g · cm (more than 0.62 oz · inch)
	DECK B		more than 55g · cm (more than 0.76 oz · inch)

Tape Tension Measurement

CFD-758

Mode	Meter	Meter reading
Forward	CQ-403A	more than 70g (more than 2.47 oz)

CFD-768

Mode		Meter	Meter reading
Forward	DECK A	CQ-403A	more than 70g (more than 2.47 oz)
	DECK B		more than 100g (more than 3.52 oz)
Reverse	DECK B	CQ-403R	more than 100g (more than 3.52 oz)

SECTION 4
ELECTRICAL ADJUSTMENTS

TAPE RECORDER SECTION

PRECAUTION

1. Adjustments should be performed in the order given.
   Generally playback circuit adjusments should be completed before performing recording circuit adjustments.
2. Adjustments should be performed for both L-ch and R-ch.
   Switches and controls should be set as follows unless otherwise specified.

- **Positions of switches and control knobs**
  FUNCTION ····· TAPE
  DIR MODE ····· ⇆
  VOLUME ····· standard output level position

- **Standard input level**

Input Pin	MIX MIC
Signal source impedance	300 Ω
Input signal level	2.45 mV (− 50 dB)
Frequency	1 kHz

- **Standard output level**

Output Pin	PHONES
Signal source impedance	32Ω
Output signal level	0.25 V (− 10 dB)

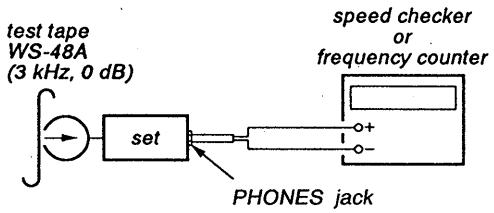
0 dB=0.775 V

- **Test tape**

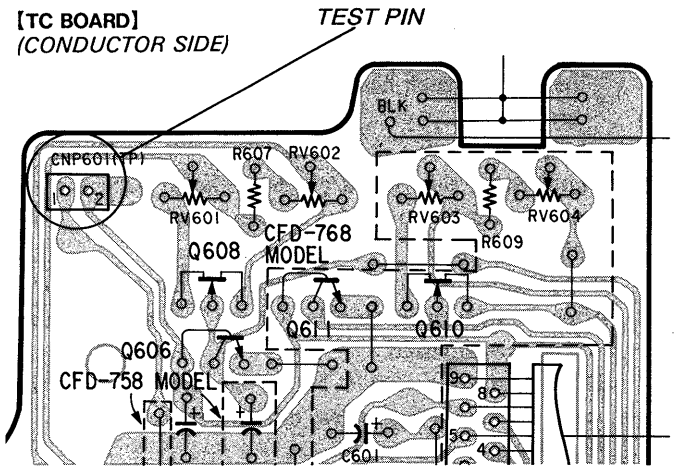
Test Tape	Signal	Used for
WS-48A	3 kHz, 0 dB	Tape speed adjustment

Tape Speed Adjustment DECK A DECK B

Procedure:
Mode: FWD playback



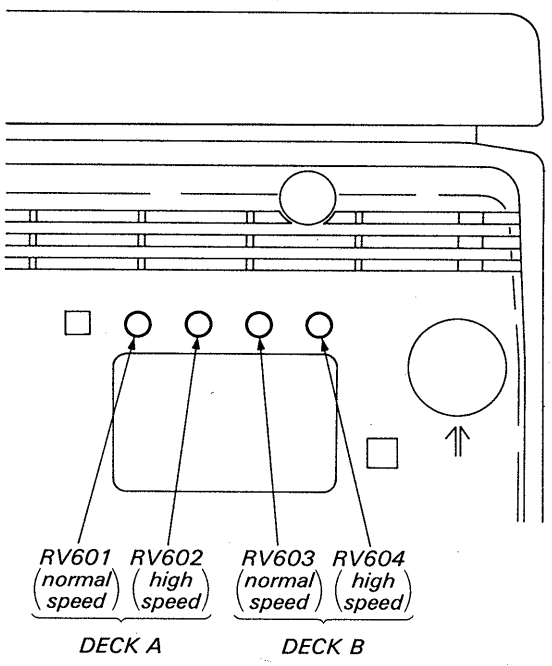
Perform high speed adjsutment before normal speed adjustment.
Playback the test tape WS-48A and adjust to meet the specifications below.



(CFD-768)
Adjustment Value:

Speed	deck	Adjust-ment part	test pin CNP610	speed checker reading	frequency counter reading
high	A	RV602	short	−0.33~0.33%	5,980~ 6,020 Hz
	B	RV604			
normal	A	RV601	open	−0.33~0.33%	2,990~ 3,010 Hz
	B	RV603			

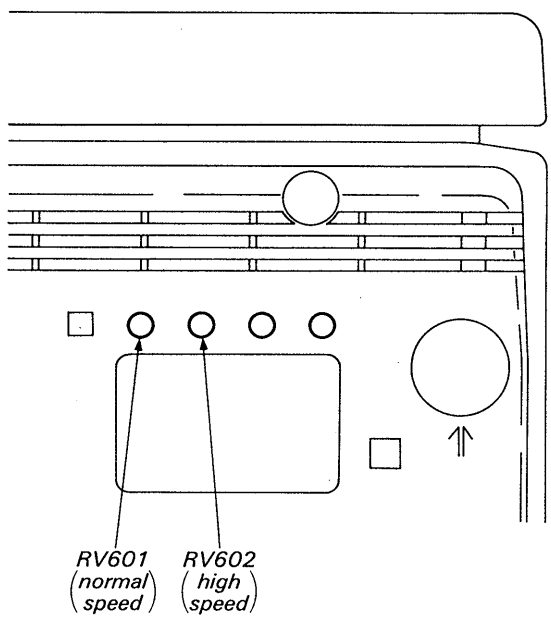
Adjustment Location:



(CFD-758)
Adjustment Value:

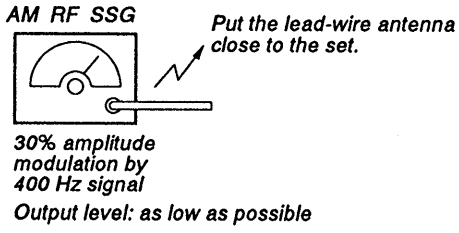
Speed	Adjust-ment part	test pin CNP610	speed checker reading	frequency counter reading
high	RV602	short	−0.33~0.33%	5,980~ 6,020 Hz
normal	RV601	open	−0.33~0.33%	2,990~ 3,010 Hz

Adjustment Location:

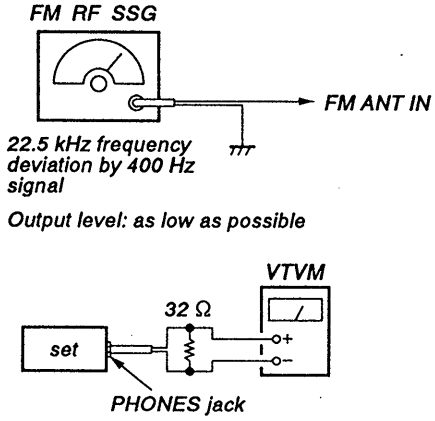


TUNER SECTION

[AM]
BAND switch: AM


AM RF SSG
Put the lead-wire antenna close to the set.
30% amplitude modulation by 400 Hz signal
Output level: as low as possible

[FM]
BAND switch: FM



- **Positions of switches and control knobs**
  FUNCTION ..... RADIO
  MODE ..... STEREO
  ISS 2
  VOLUME ..... standard output level position

- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AM FREQUENCY COVERAGE ADJUSTMENT		
Adjustment part	Frequency Display	Reading on Digital voltmeter
L1	530kHz	1.0±0.1V
(confirmation)	1,710kHz	8.0±1.0V

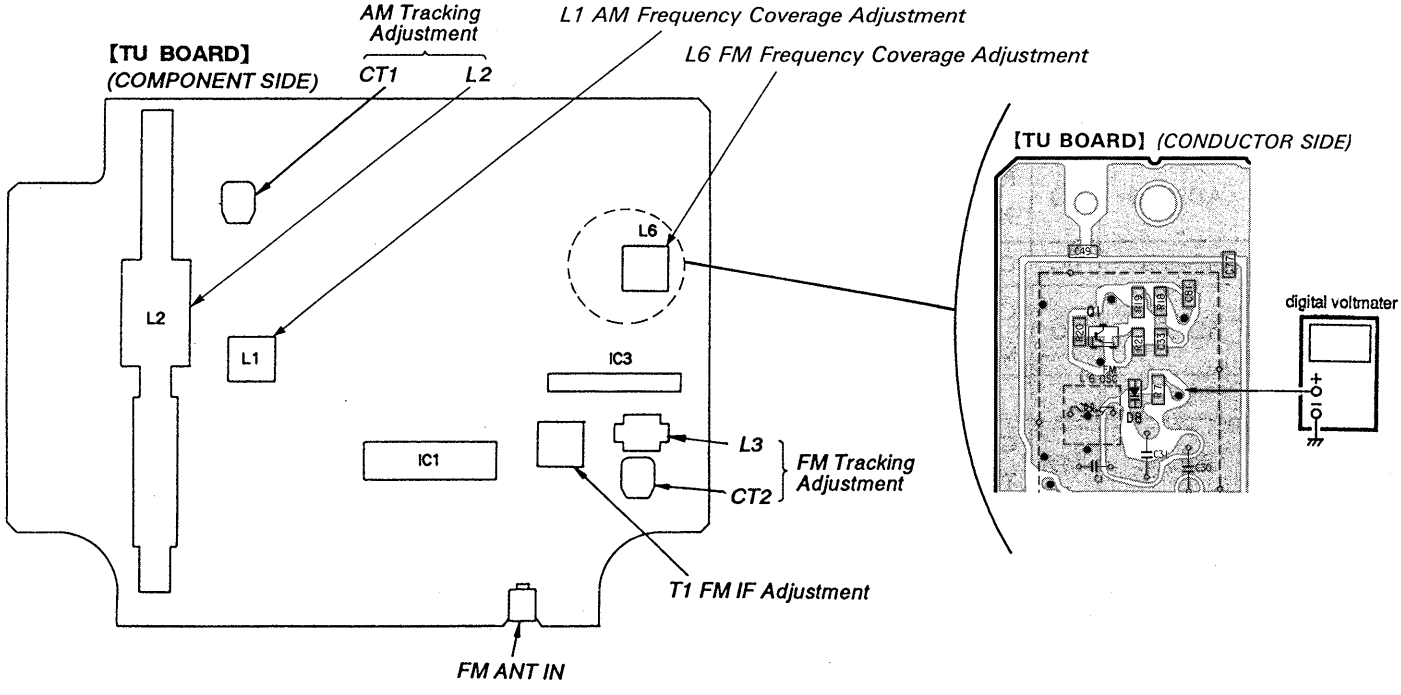
AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L2	620 kHz
CT1	1,400 kHz

FM FREQUENCY COVERAGE ADJUSTMENT		
Adjustment part	Frequency Display	Reading on Digital voltmeter
L6	87.5MHz	2.0±0.1V
(confirmation)	108.0MHz	7.0±1.0V

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L3	87.5 MHz
CT2	108 MHz

FM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
T1	10.7 MHz

Adjustment Location:



CD SECTION

Notes on Adjustment

1. Perform adjustment in service mode.
   After adjustment, be sure to release test mode.
2. Perform adjustments in the order given.
3. Use the disc (YEDS-18, Part No. 3-702-101-01) only when so indicated.

Before Adjustment

Put the set into test mode and perform the following checks. Repair if there are any problems.

How to Put into the Test Mode

1. Remove a backup battery.
2. Short-circuit between the points CD T.P (Ⓐ and Ⓑ) on the CONTROL board.
3. Turn the power on. (T-1 in LCD turns on.)
4. Release the short-circuit position CD T.P (Ⓐ and Ⓑ).
5. After adjustment, be sure to reset the TEST mode by pressing the POWER key.

- **Sled Motor Check**

Press ▷▯▯ key, then press □ key.
Press ▶▶▯ , ▯◀◀ keys and comfirm that the FOP moves smoothly from the innermost to outermost circumference and back smoothly and with no catching or abnormal noises. (Cancellation of BTL mute.)

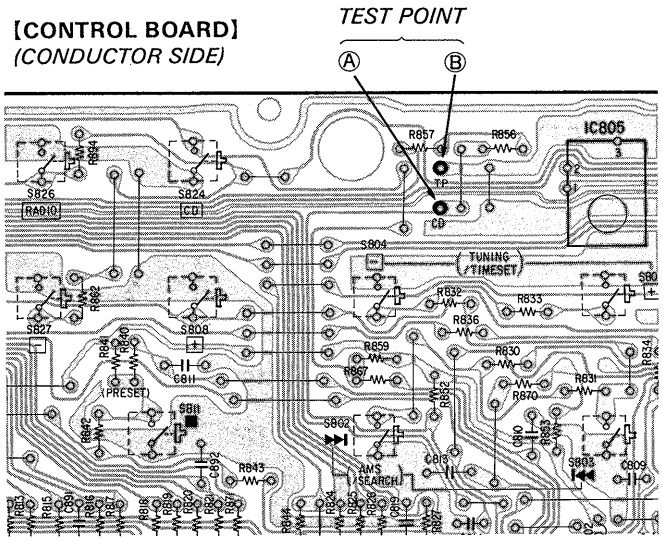
▶▶▯ : FOP moves to the outer circumference
▯◀◀ : FOP moves to the inner circumference

- **Focus Search Check**

1. Press ▷▯▯ key. (Focus search operation is performed continuously.)
2. Look at the FOP objective lens and confirm that it moves up and down smoothly three times, with no catching or abnormal noises. After then confirm the turntable turns about a minute.

Note: When the malfunction is occured by pressing other keys, turn off the power and check again from making the test mode.

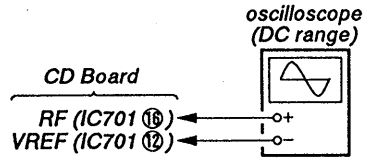
[CONTROL BOARD]
(CONDUCTOR SIDE)



Focus Bias Adjustment

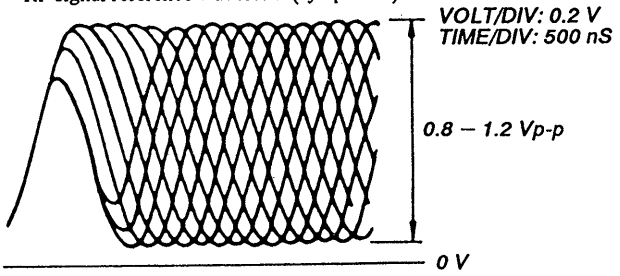
This adjustment is to be done when the optical block replaced.

Adjustment Procedure:



1. Connect the oscilloscope between IC701 pins ⑯ and ⑫.
2. Put the set into test mode.
3. Press the ▶▶▯ and ▯◀◀ keys to move the FOP to the center. (Move the FOP to the music area on the disc to enable easy visibility of the eye pattern.)
4. Insert disc (YEDS-18) and press ▷▯▯ key.
5. Adjust RV702 so that the oscilloscope waveform os as shown in the figure below (eye pattern).
   A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.
6. Release test mode after adjustment is completed.

- RF signal reference waveform (eye pattern)



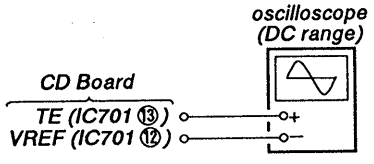
When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensivity.

Adjustment Location: CD board (See page 31)

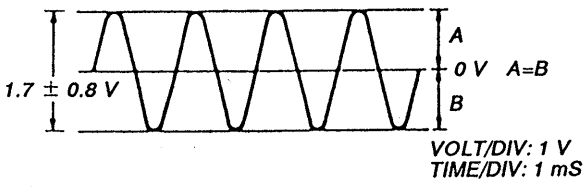
E. F Balance Adjustment

This adjustment is to be done when the optical block is replaced.

Adjustment Procedure:

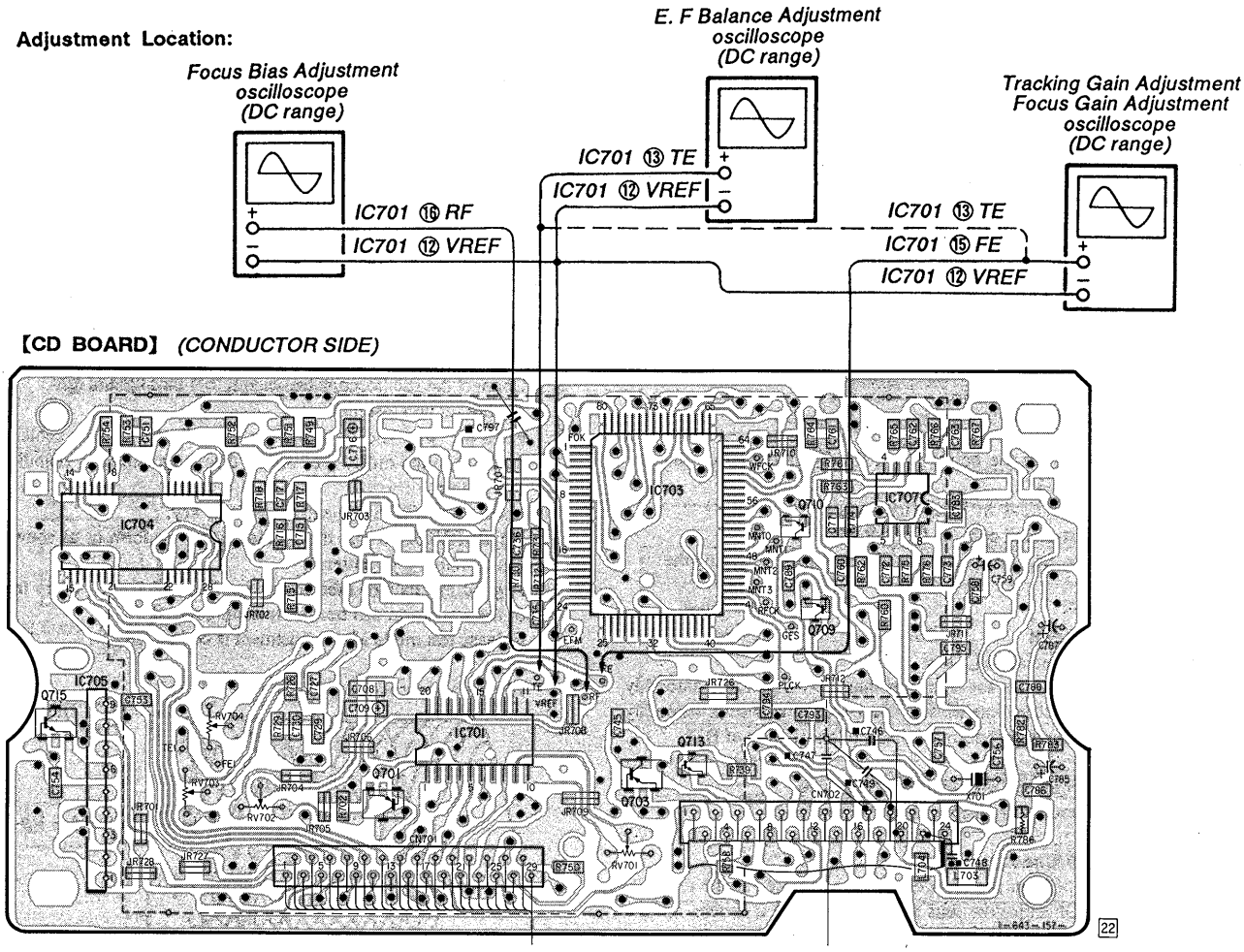


1. Connect the oscilloscope between IC701 pins ⑬ and ⑫.
2. Put the set into service mode.
3. Press the ▶▶▯ and ▯◀◀ keys to move the FOP to the center.
4. Insert disc (YEDS-18) and press ▷▯▯ key.
5. Adjust RV701 so that the oscilloscope traverse waveform is symmetrical, as shown in the figure below.
6. Release servise mode after adjustment is completed.

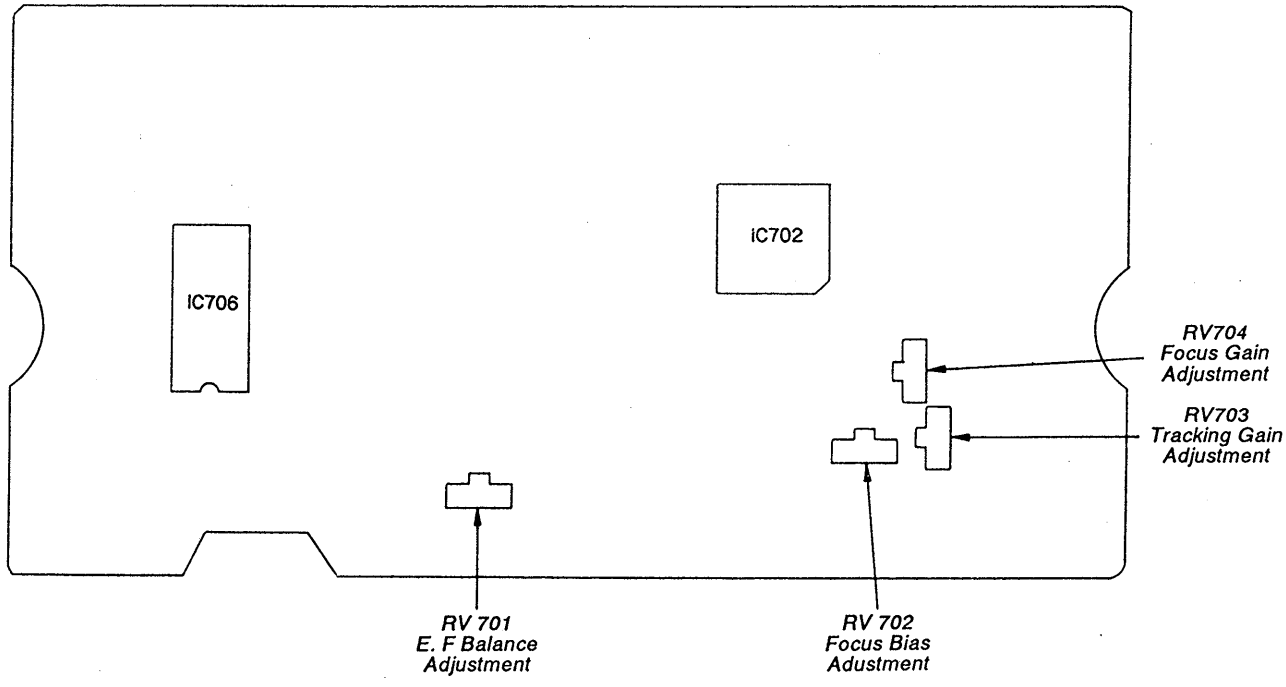


Adjustment Location: CD board (See page 31)

Adjustment Location:



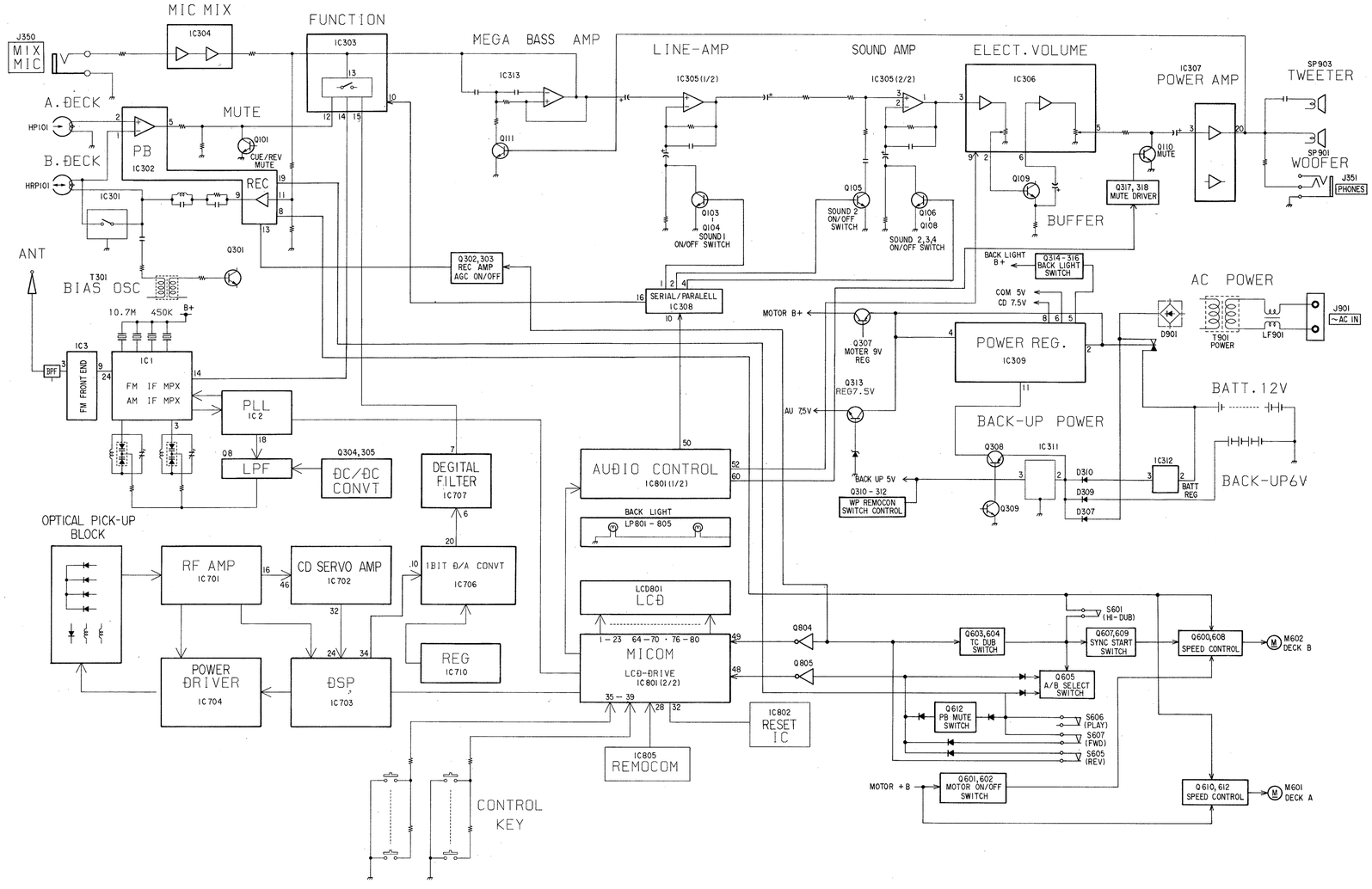
【CD BOARD】 *(COMPONENT SIDE)*



SECTION 5
DIAGRAMS

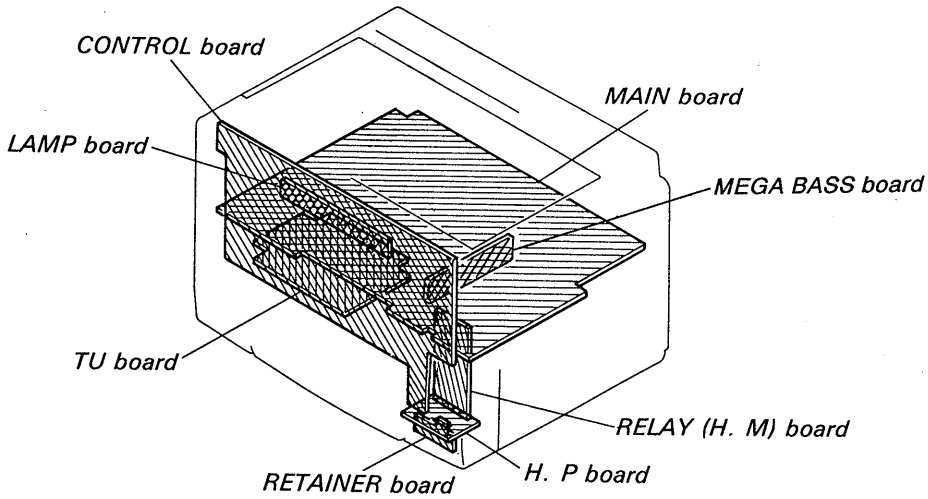
5-1. IC801 (CXP50716-056Q) PIN FUNCTION DESCRIPTION

PIN No.	Name	I/O	Description	PIN No.	Name	I/O	Description
1 ~ 3	PG1/SEG18 ~ PG3/SEG16	O	SEGMENT OUT	47	PA0 B	I/O	CD SYSTEM LATCH/ TU PLL IC CE
				48	PA1 I	I/O	MD VOLTAGE DECREASE
4 ~ 19	SEG15 ~ SEG0	O	SEGMENT OUT	49	PA2 T	I/O	S-P DATA IN
				50	PA3	I/O	S-P DATA OUT/ REG CHECK CD CONT DATA
20 ~ 23	COM3 ~ COM0	O	COMMON OUTPUT	51	PF0 P	I/O	CD LEASER ON
				52	PF1 O	I/O	VOLUME DATA
24 ~ 26	V_{LC1} ~ V_{LC3}		LCD VOLTAGE SET UP	53	PF2 R	I/O	CD SYSTEM RESET
				54	NC		
				55	PE0 P	I/O	AUDIO S-P CS
27	V_L	O	VOL CHIP SELECT	56	PE1 O	I/O	CD DATA CLK/ S-P CLK
28	RMC	I	REMOTE CONTROL DECODER IN				
29	INT	I	CD SCOR IN	57	PE2 R	I/O	BLOCK MUTE
30	XTAL		MAIN CLK (32.768kHz)	58	PE3 T	I/O	POWER CONTROL
31	EXTAL	I	MAIN CLK (32.768kHz)	59	NC		
32	RST	I/O	MICROCOMPUTER RESET	60	PY1/PWM	O	AUDIO MUTE
33	NC			61	PY2/WP	I	WAKE UP IN
34	V_{DD}		+B	62	PY3/EC	I	TU SD IN
35 ~ 38	AD0/PI0 ~ AD3/PI3	I/O	KEY IN	63 ~ 66	PD0/SEG31 ~ PD3/SEG28	O	SEGMENT OUT
39	AD4/PB0	I/O	KEY IN	67 ~ 70	PC0/SEG27 ~ PC3/SEG24	O	SEGMENT OUT
40	AD5/PB1	I/O	REV, REC IN/TU 9K, 10K				
41	AD6/PB2	I/O	CD SENS/TU MPX IN	71	V_{SS}		GROUND
42	AD7/PB3	I/O	CD TRAY OPEN, CLOSE DETECT	72	TX		4.19MHz
				73	NC		
43	NC			74	TEX	I	4.19MHz
44	PX0/SC	I/O	CLOCK FOR SUB Q/ TU DATA	75	V_{REF}		V REFERENCE
45	PX1/SO	I/O	TU CONT DATA	76 ~ 79	PH0/SEG23 ~ PH3/SEG20	O	SEGMENT OUT
46	PX2/SI	I	SUB Q DATA/ TU DATA				
				80	PG0/SEG19	O	SEGMENT OUT

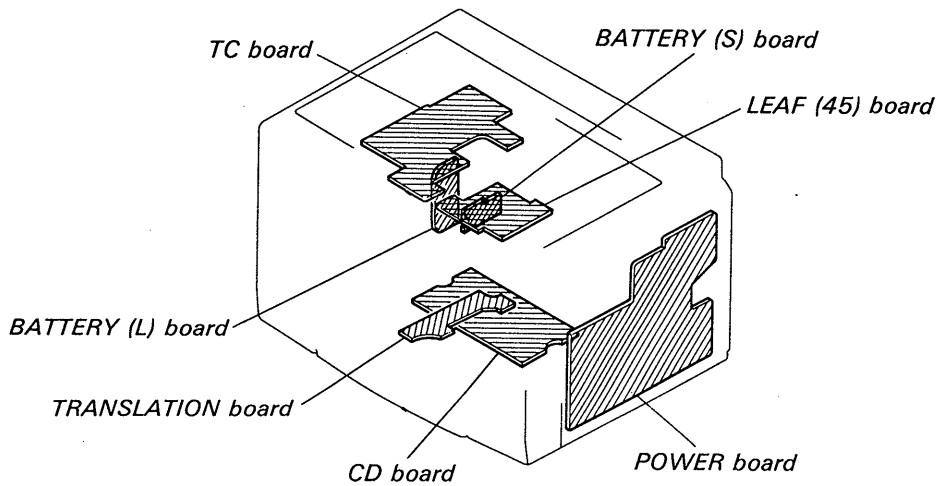

MIC MIX
IC304
FUNCTION
IC303
MEGA BASS AMP
IC313
LINE-AMP
IC305(1/2)
SOUND AMP
IC305(2/2)
ELECT. VOLUME
IC306
IC307
POWER AMP
SP903
TWEETER
SP901
WOOFER
J351
PHONES
J350
MIX MIC
A. DECK
B. DECK
HP101
HRP101
PB
IC302
MUTE
Q101
CUE/REV MUTE
REC
IC301
Q111
Q103
Q104
SOUND1 ON/OFF SWITCH
Q105
SOUND 2 ON/OFF SWITCH
Q106
Q108
SOUND 2,3,4 ON/OFF SWITCH
Q109
BUFFER
Q110
MUTE
Q317, 318
MUTE DRIVER
ANT
Q301
T301
BIAS OSC
Q302,303
REC AMP AGC ON/OFF
SERIAL/PARALELL
IC308
BACK LIGHT B+
Q314-316
BACK LIGHT SWITCH
AC POWER
COM 5V
CD 7.5V
MOTOR B+
Q307
MOTER 9V REG
POWER REG.
IC309
D901
T901
POWER
LF901
J901
~AC IN
10.7M
450K
B+
IC3
BPF
FM FRONT END
IC1
FM IF MPX
AM IF MPX
PLL
IC2
Q313
REG7.5V
AU 7.5V
BACK-UP POWER
Q308
IC311
IC312
BATT REG
BATT.12V
BACK-UP6V
D310
D309
D307
Q309
BACK UP 5V
Q310-312
WP REMOCON SWITCH CONTROL
LPF
Q304,305
DC/DC CONVT
DEGITAL FILTER
IC707
AUDIO CONTROL
IC801(1/2)
BACK LIGHT
LP801-805
OPTICAL PICK-UP BLOCK
RF AMP
IC701
CD SERVO AMP
IC702
1BIT D/A CONVT
IC706
LCD801
LCD
1-23 64-70 · 76-80
MICOM
LCD-DRIVE
IC801(2/2)
35-39
Q804
Q805
REG
IC710
POWER DRIVER
IC704
DSP
IC703
IC802
RESET IC
IC805
REMOCOM
CONTROL KEY
S601
(HI-DUB)
Q603,604
TC DUB SWITCH
Q607,609
SYNC START SWITCH
Q600,608
SPEED CONTROL
M602
DECK B
Q605
A/B SELECT SWITCH
Q612
PB MUTE SWITCH
S606
(PLAY)
S607
(FWD)
S605
(REV)
MOTOR +B
Q601,602
MOTOR ON/OFF SWITCH
Q610,612
SPEED CONTROL
M601
DECK A

5-3. CIRCUIT BOARDS LOCATION

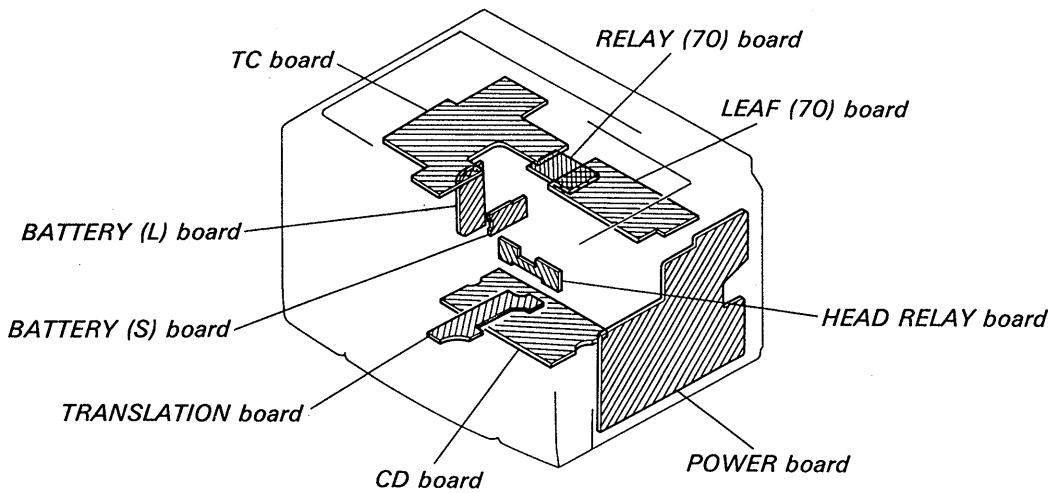
[CFD-758/768]



[CFD-758]



[CFD-768]

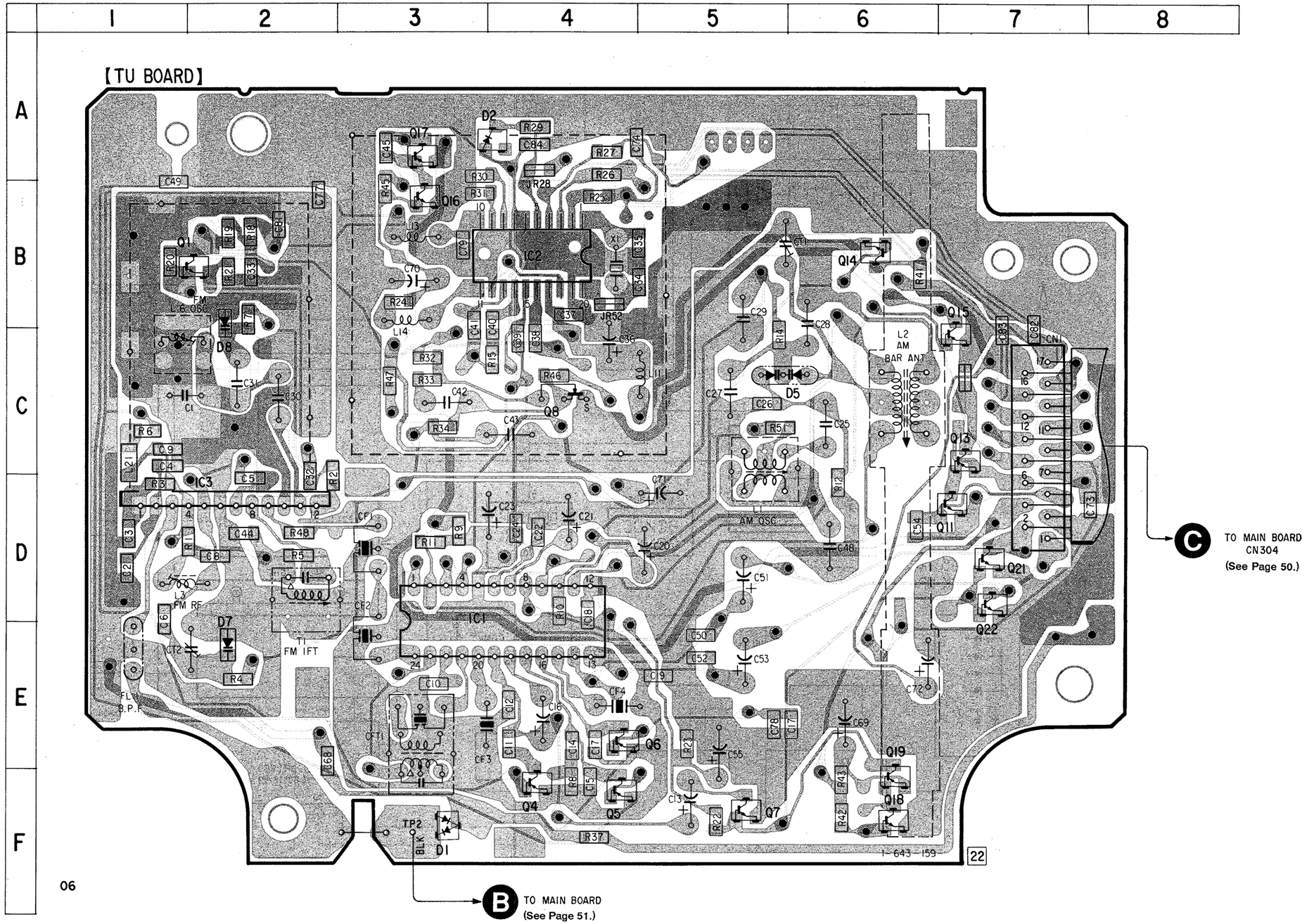


5-4. PRINTED WIRING BOARD – TUNER Section –

• See Page 36 for Circuit Boards Locations. • See Page 50 for Semiconductor Lead Layouts.

• **Semiconductor Location**

Ref. No.	Location
D1	F-3
D2	A-4
D5	C-6
D7	E-2
D8	C-2
IC1	D-3
IC2	B-4
IC3	D-2
Q1	B-2
Q4	F-4
Q5	F-4
Q6	E-5
Q7	F-5
Q8	C-4
Q11	D-7
Q13	C-7
Q14	B-6
Q15	B-7
Q16	B-3
Q17	A-3
Q18	F-6
Q19	E-6
Q21	D-7
Q22	E-7



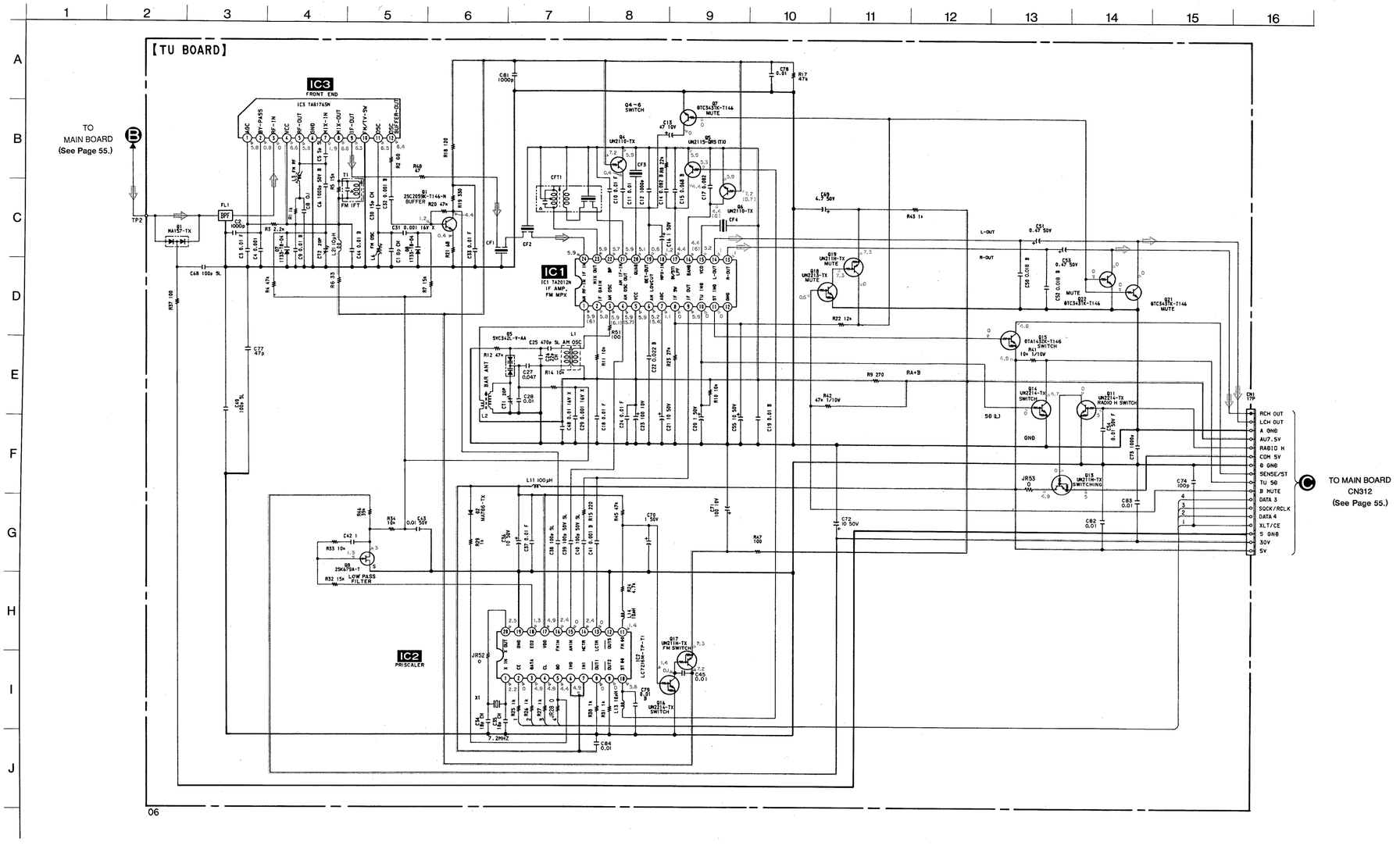
06

Note:

- ○—— : parts extracted from the component side.
- ● : Through hole.
- ▒▒ : Pattern on the side which is seen.
- ▒▒ : Pattern of the rear side.

5-5. SCHEMATIC DIAGRAM – TUNER Section –

• See Page 65 for IC Block Diagrams.



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ▭▭ : B+ line.
- ▭ : adjustment for repair.
- Power voltage is dc 12V and fed with regulated dc power supply from external BATTERY TERMINAL.
- Voltage is dc with respect to groun under no-signal (detuned) conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM. (Input impedance 10MΩ)
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM

5-6. PRINTED WIRING BOARD – CD Section –

- See Page 36 for Circuit Boards Locations.
- See Page 50 for Semiconductor Lead Layouts.

• Semiconductor Location

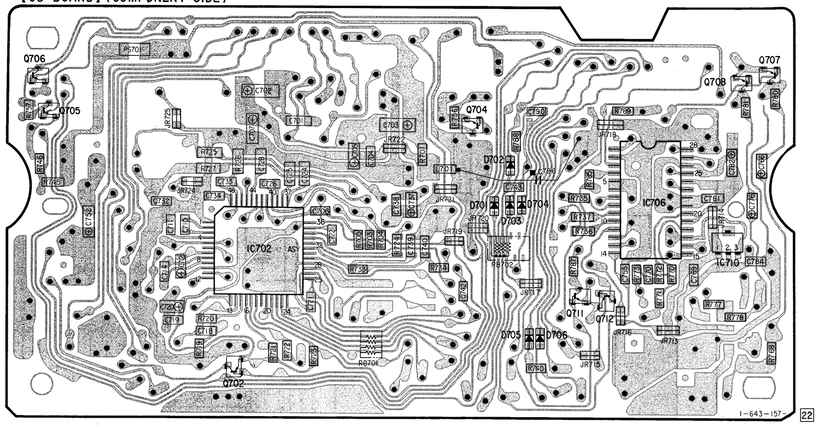
Ref. No.	Location
D701	C-5
D702	B-5
D703	C-5
D704	C-6
D705	D-6
D706	D-6
IC701	H-4
IC702	C-3
IC703	F-5
IC704	G-2
IC705	H-1
IC706	C-7
IC707	F-7
IC710	F-8
Q701	H-3
Q702	D-3
Q703	H-5
Q704	B-5
Q705	B-1
Q706	A-1
Q707	A-8
Q708	B-7
Q709	G-6
Q710	G-6
Q711	D-6
Q712	D-6
Q713	H-5
Q715	H-1

Note:

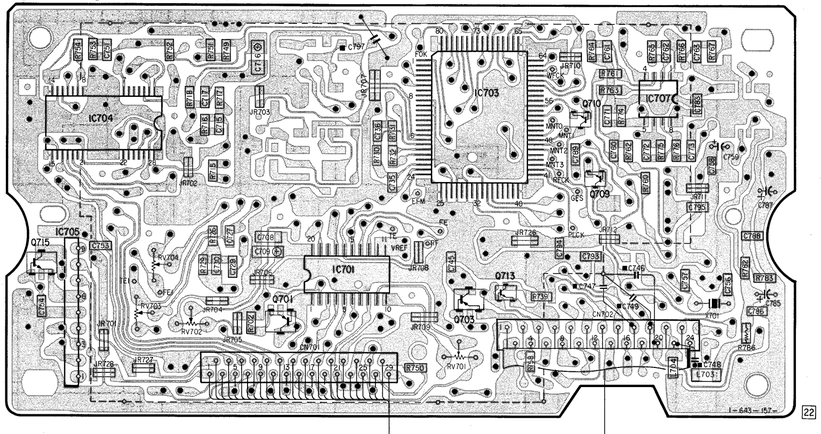
- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ● : Through hole.
- ▒▒ : Pattern from the side which enables seeing. (The other layers patterns are not indicated.)

Caution:	
Pattern face side: (Conductor side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component side)	Parts on the parts face side seen from the parts face are indicated.

【CD BOARD】(COMPONENT SIDE)

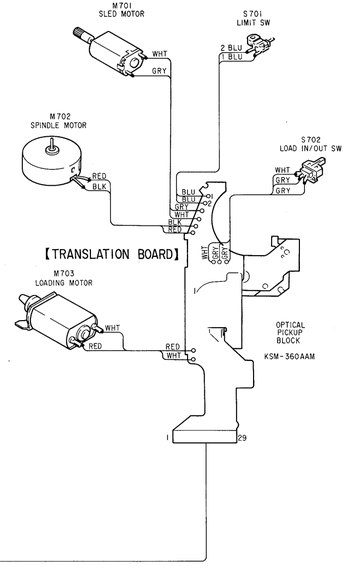


【CD BOARD】(CONDUCTOR SIDE)



06

D TO CONTROL BOARD CN606 (See Page 60.)



5-7. SCHEMATIC DIAGRAM – CD Section –

• See Page 65 for IC Block Diagrams.

• **Waveforms (MODE: PLAY)**

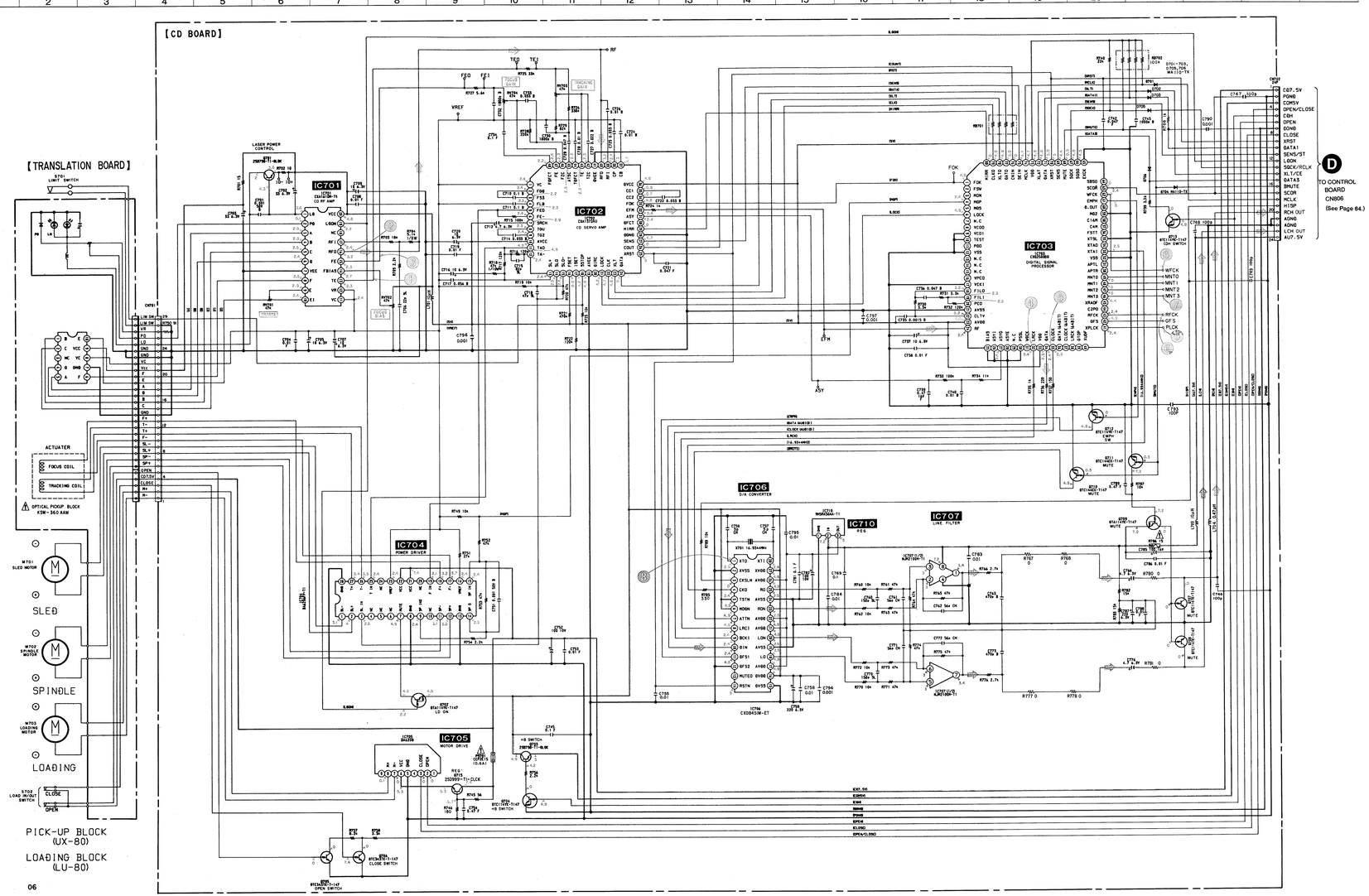
① 0V, APPROX. 0.2Vp-p IC701⑧ (TE)	② 5Vp-p IC703⑭ (RFCK), ⑮ (WFCK)
③ 1.1Vp-p IC701⑨ (RFO)	④ 5Vp-p IC703⑩ (MNT3)
⑤ 0V, APPROX. 20mVp-p IC701⑥ (FE)	⑥ 3.3Vp-p IC706⑫ (XTO)
⑦ 5Vp-p IC703⑳ (LRCK)	⑧ 3.4Vp-p IC801⑤ (EXTAL)
⑨ 5Vp-p ⑳IC703⑲ (CLOCK), ⑱IC703⑰ (PLCK)	⑩ 5.2Vp-p IC801⑥ (TX)

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼W or less unless otherwise specified.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ▭ : B+ line.
- ▭ : adjustment for repair.
- Power voltage is dc 12V and fed with regulated dc power supply from external BATTERY TERMINAL.
- Voltage and waveforms are dc with respect to ground.
- Voltages are taken with a VOM. (Input impedance 10MΩ)
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ▭▷ : CD



5-9. SEMICONDUCTOR LEAD LAYOUTS

BA3924

PST529D

DTC114YS
2SA1175-HFE
2SC2724-D
2SC2785-HFE
2SC4048

2SB1370-EF
2SD2012

MTZJ-T-77-27B
RD8.2ES-B2
1S8119

10E-2

BA6208

TA8176SN

KSC1008-Y
2SB1013-4

2SK679A

SVC342L-V

SLR-34DU70F-150
SLR-34VR70F-150

KIA7027P/F-TP
S-81250HG

DTA114YS
KTC3199GR-TP

MA110

1T33

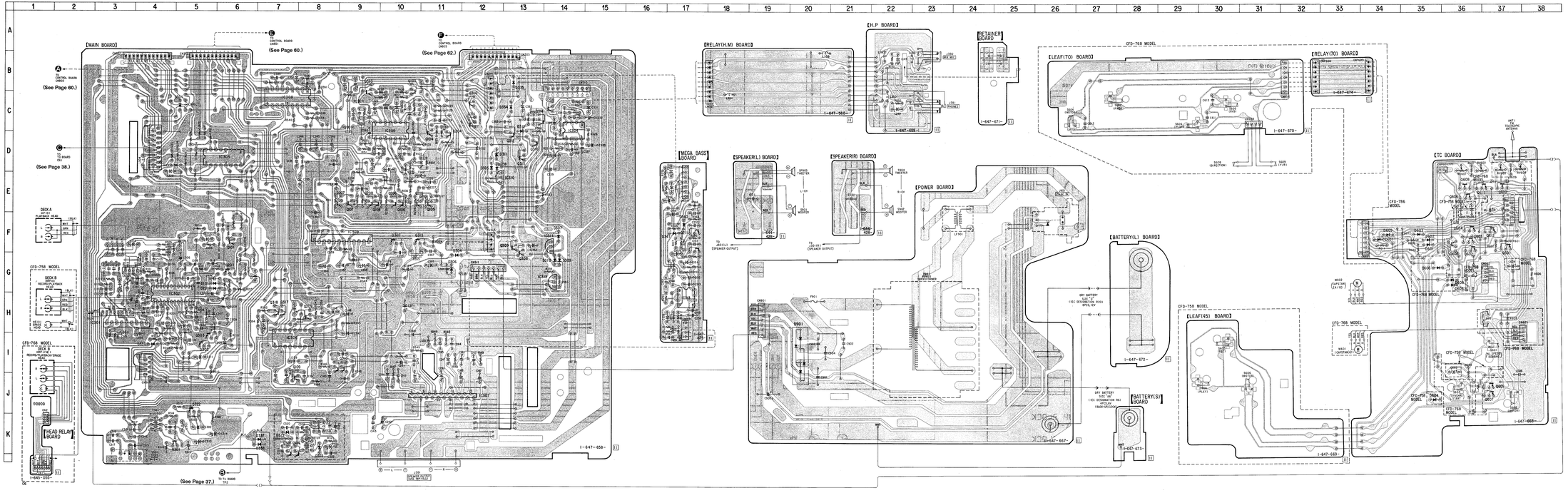
5-8. PRINTED WIRING BOARD – MAIN Section –

• See Page 36 for Circuit Boards Locations. • See Page 50 for Semiconductor Lead Layouts.

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D101	G-5	Q105	E-11
D201	G-5	Q106	E-10
D301	C-5	Q107	E-9
D303	K-8	Q108	E-9
D304	F-11	Q109	I-7
D305	D-12	Q110	I-8
D306	G-11	Q111	F-17
D307	F-14	Q201	G-6
D308	D-12	Q203	B-9
D309	G-14	Q204	C-11
D310	G-14	Q205	E-10
D311	D-12	Q206	E-10
D312	C-13	Q207	E-8
D313	K-7	Q208	E-9
D330	I-4	Q209	H-8
D334	C-13	Q210	I-9
D335	B-13	Q211	F-17
D337	K-7	Q301	K-4
D338	K-7	Q302	I-5
D340	F-17	Q303	I-5
D341	F-17	Q304	K-7
D601	F-35	Q305	K-7
D602	F-35	Q306	C-14
D603	F-35	Q307	F-10
D604	J-35	Q308	G-13
D605	G-35	Q309	F-13
D606	G-36	Q310	C-12
D607	F-34	Q311	C-12
D608	G-36	Q312	D-13
D609	F-34	Q313	F-10
D901	H-20	Q314	C-13
		Q315	D-13
IC301	H-3	Q316	D-13
IC302	H-4	Q317	H-7
IC303	D-6	Q318	H-7
IC304	C-14	Q322	J-5
IC305	C-10	Q601	F-37
IC306	I-7	Q602	F-36
IC307	J-12	Q603	F-36
IC308	C-7	Q604	F-36
IC309	F-9	Q605	F-36
IC310	E-13	Q606	E-36
IC311	F-14	Q607	J-36
IC312	G-14	Q608	E-36
IC313	H-17	Q609	J-37
		Q610	E-37
Q101	F-6	Q611	E-36
Q103	B-10	Q612	F-37
Q104	D-11		

Note:
- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.



5-10. SCHEMATIC DIAGRAM – MAIN Section –

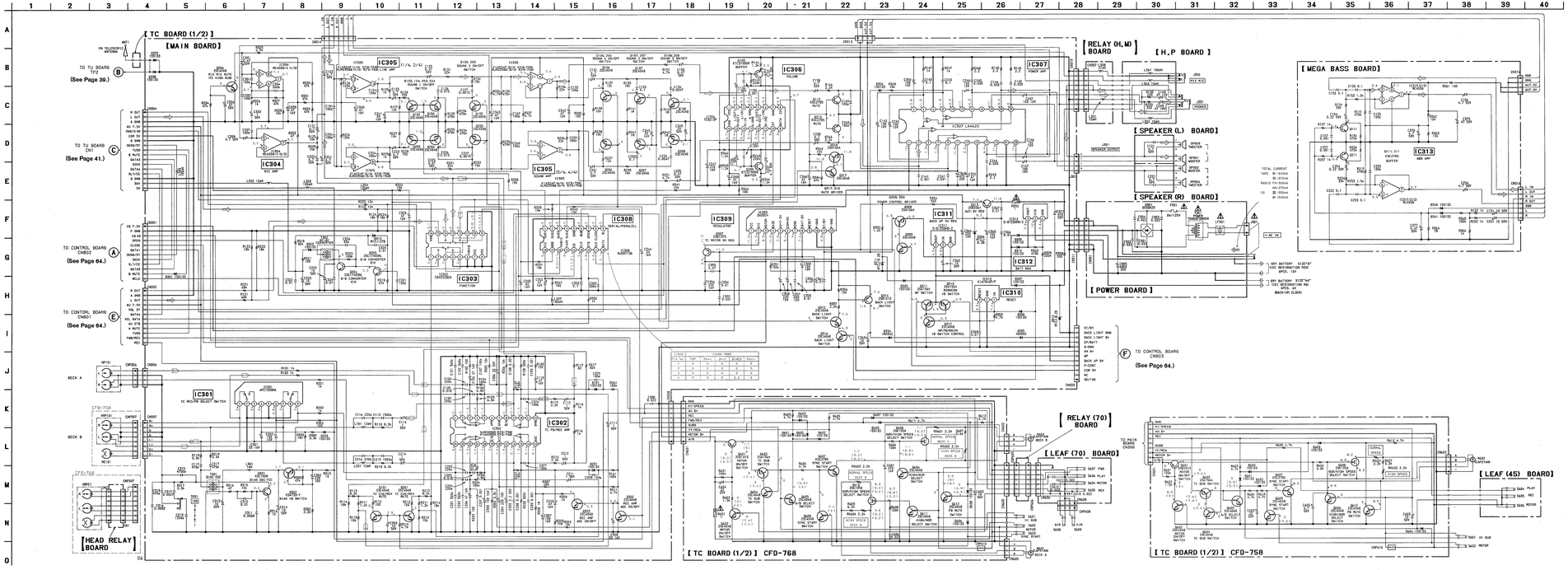
• See Page 65 for IC Block Diagrams.

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ⚠: fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ——— : B+ line.
- Total current is measured with no cassette installed.
- Power voltage is dc 12V and fed with regulated dc power supply from external BATTERY TERMINAL.
- Voltage is dc with respect to ground under no -signal (detuned) conditions.
  no mark : RADIO
  ( ) : TAPE
  〈 〉: CD
- Voltages are taken with a VOM. (Input impedance 10MΩ) Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
  ⇨ : PB (DECK A)
  ⇨ : PB (DECK B)
  ⇨ : REC (DECK B)
  ⇨ : CD



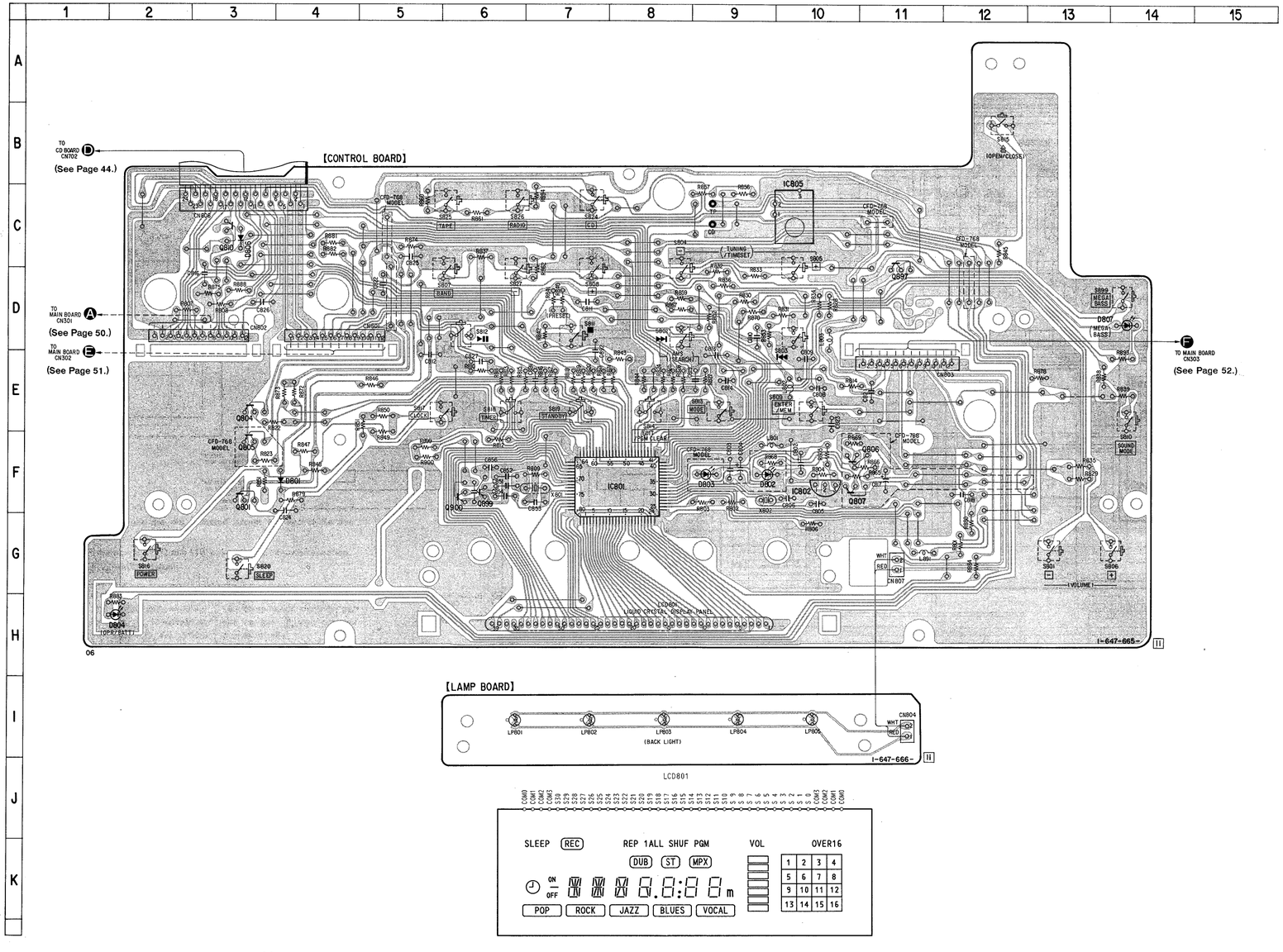
5-11. PRINTED WIRING BOARD – CONTROL Section –

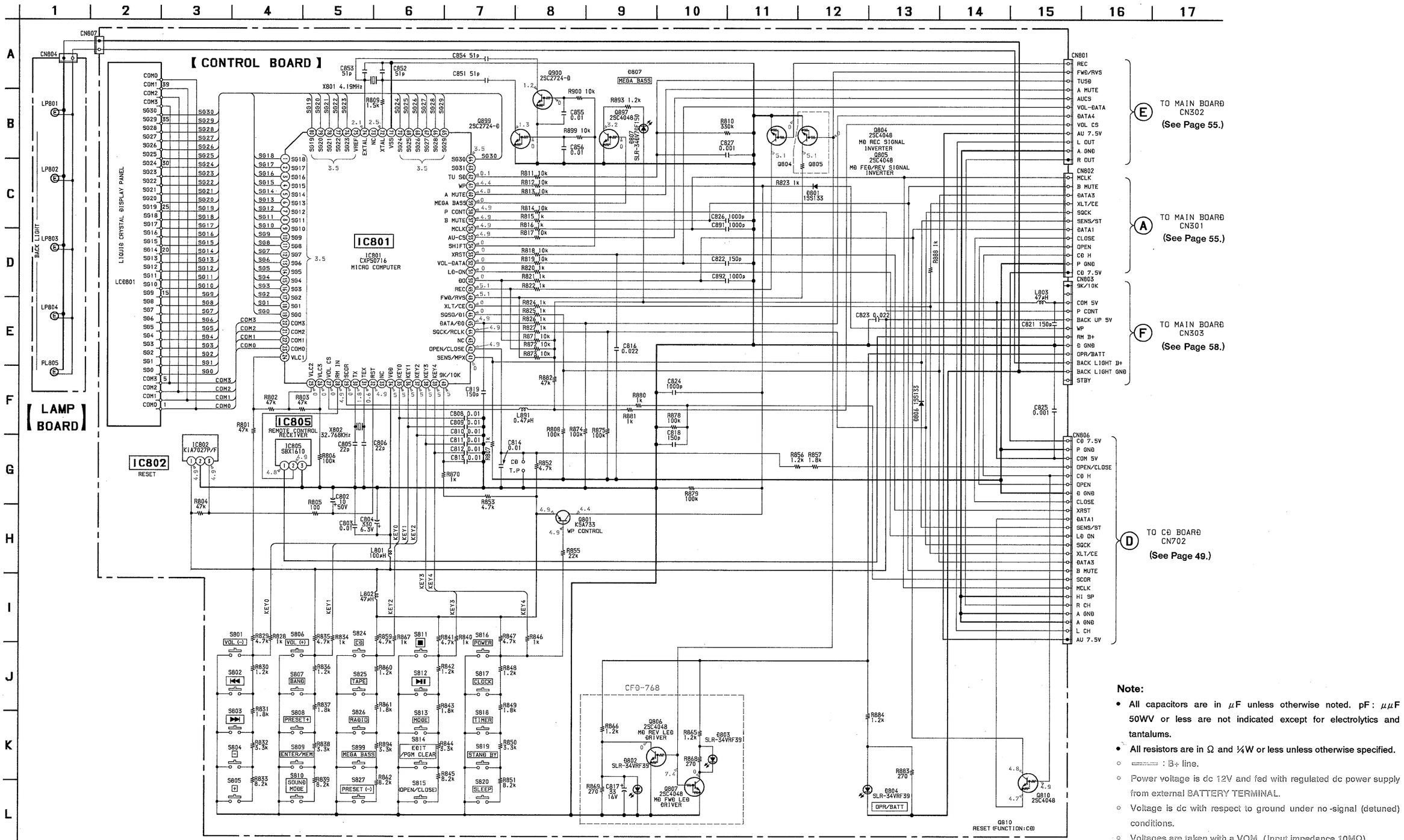
- See Page 36 for Circuit Boards Locations.
- See Page 50 for Semiconductor Lead Layouts.

- Semiconductor Location

Ref. No.	Location
D801	F-4
D802	F-9
D803	F-9
D804	H-2
D806	C-3
D807	D-14
IC801	F-8
IC802	F-10
IC805	C-10
Q801	F-3
Q804	E-3
Q805	F-3
Q806	F-11
Q807	F-11
Q810	C-3
Q897	D-11
Q899	F-6
Q900	F-6

Note:
- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K
【CONTROL BOARD】
TO CD BOARD CN702 (See Page 44.)
TO MAIN BOARD CN501 (See Page 50.)
TO MAIN BOARD CN302 (See Page 51.)
TO MAIN BOARD CN303 (See Page 52.)
IC805
IC801
IC802
LCD801
LIQUID CRYSTAL DISPLAY PANEL
【LAMP BOARD】
LP801 LP802 LP803 (BACK LIGHT) LP804 LP805
CN804
SLEEP REC REP 1ALL SHUF PGM
DUB ST MPX
VOL
OVER16
POP ROCK JAZZ BLUES VOCAL
1-647-665-
1-647-666-

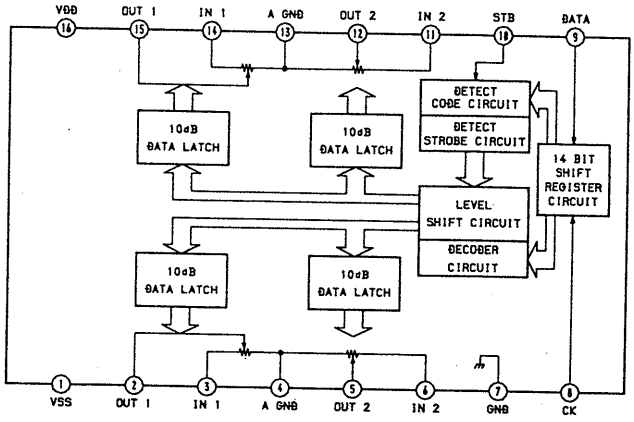


Note:

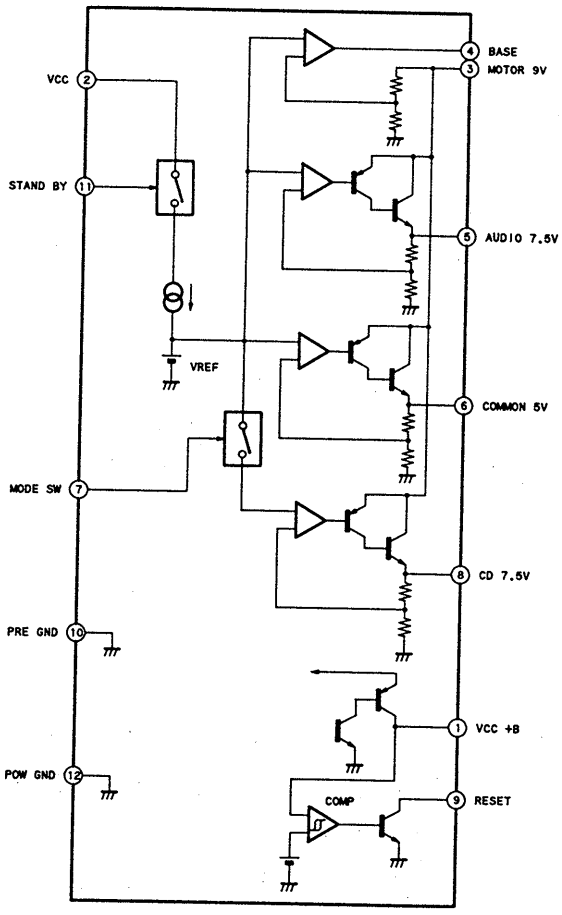
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ▭▭ : B+ line.
- Power voltage is dc 12V and fed with regulated dc power supply from external BATTERY TERMINAL.
- Voltage is dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM. (Input impedance 10MΩ) Voltage variations may be noted due to normal production tolerances.

5-13. IC BLOCK DIAGRAMS

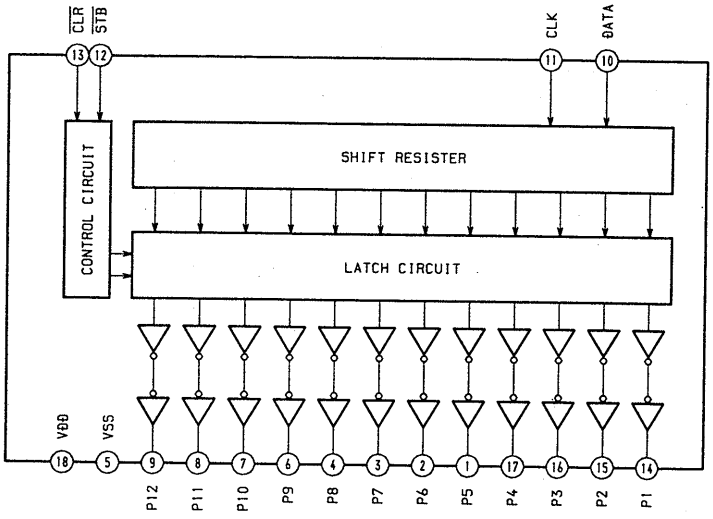
IC306 TC9213P (MAIN BOARD)



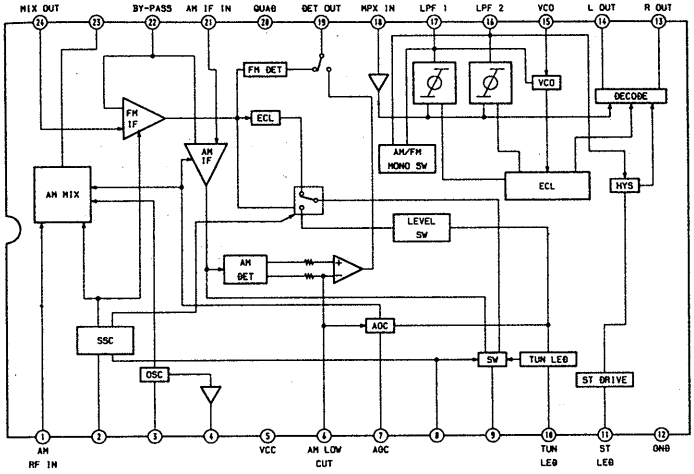
IC309 BA3924 (MAIN BOARD)



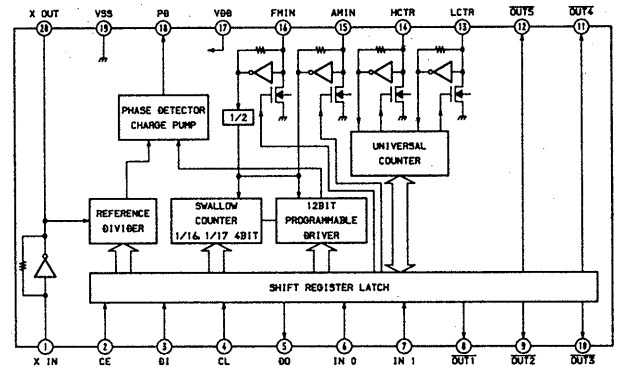
IC308 NJU3713D (MAIN BOARD)



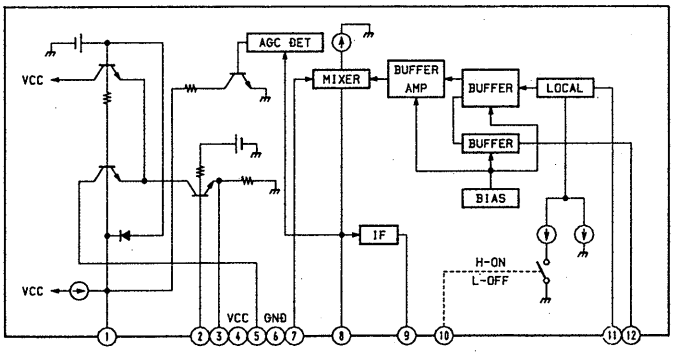
IC1 TA2012N (TU BOARD)



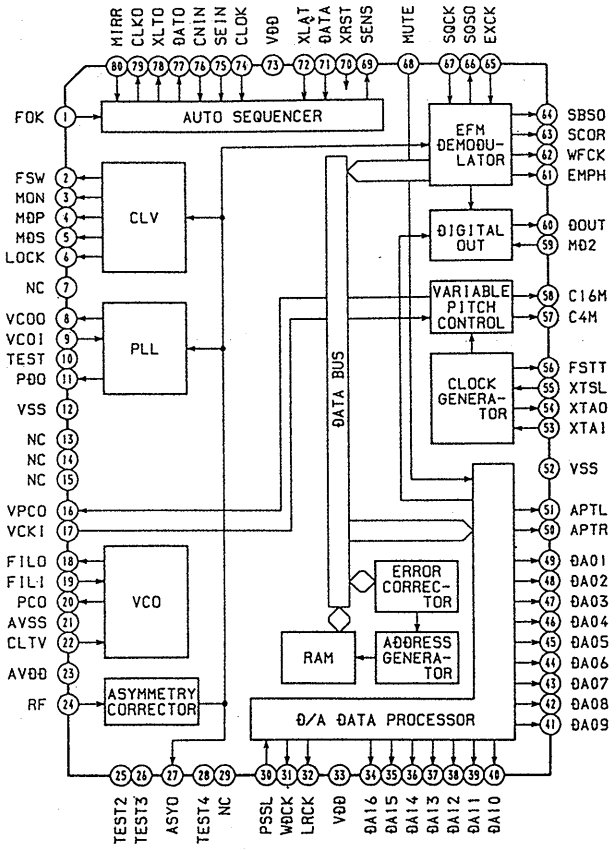
IC2 LC7216M (TU BOARD)



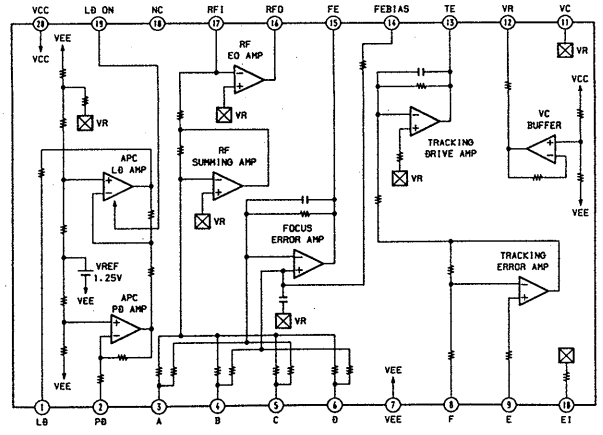
IC3 TA8176SN (TU BOARD)



IC703 CXD2500BQ (CD BOARD)



IC701 CXA1610M (CD BOARD)



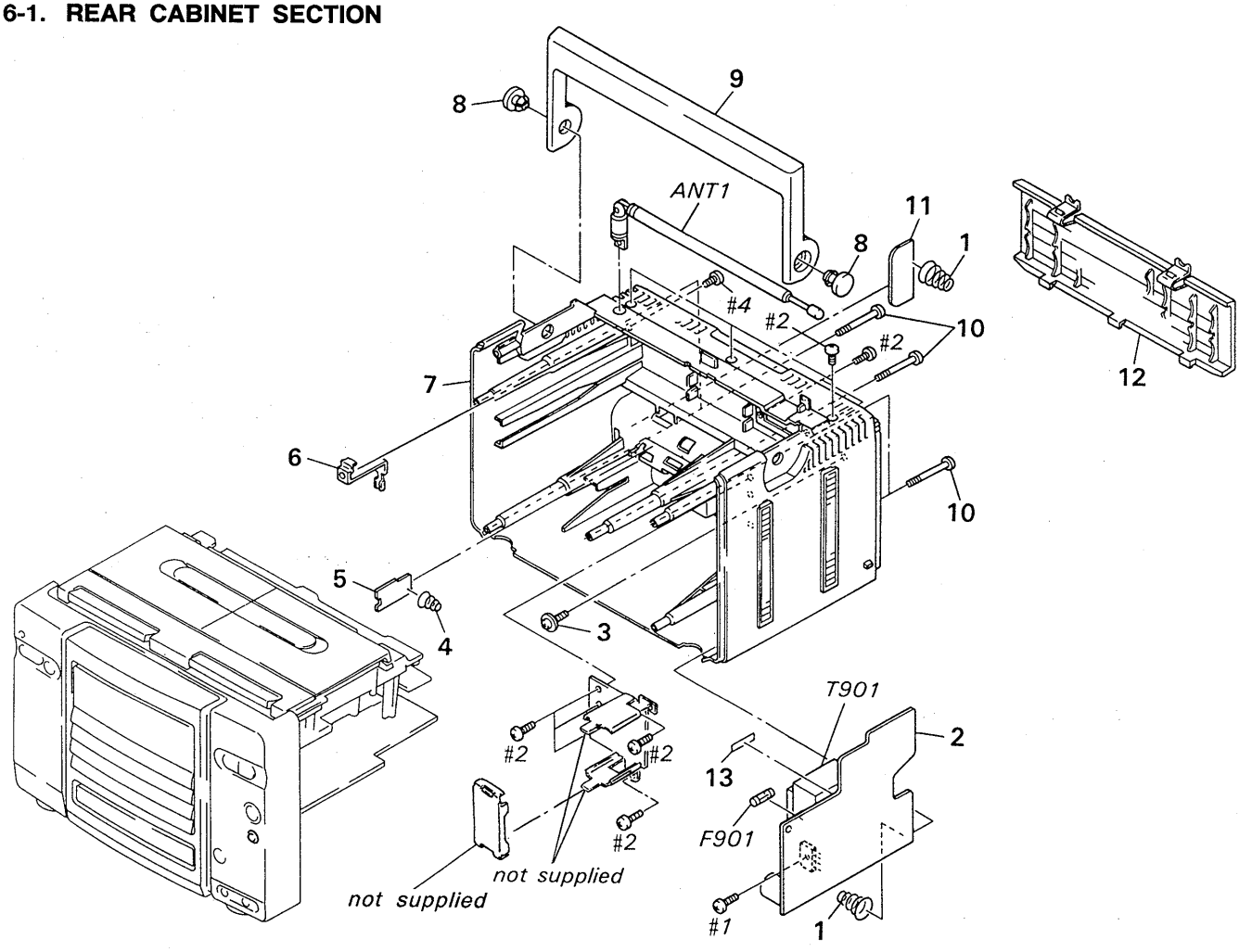
SECTION 6
EXPLODED VIEWS

NOTE:

- -XX,-X mean standardized parts, so they may have some difference from the original one.
- Color indication of Appearance Parts.
  Example:
  KNOB,BALANCE (WHITE) . . . (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

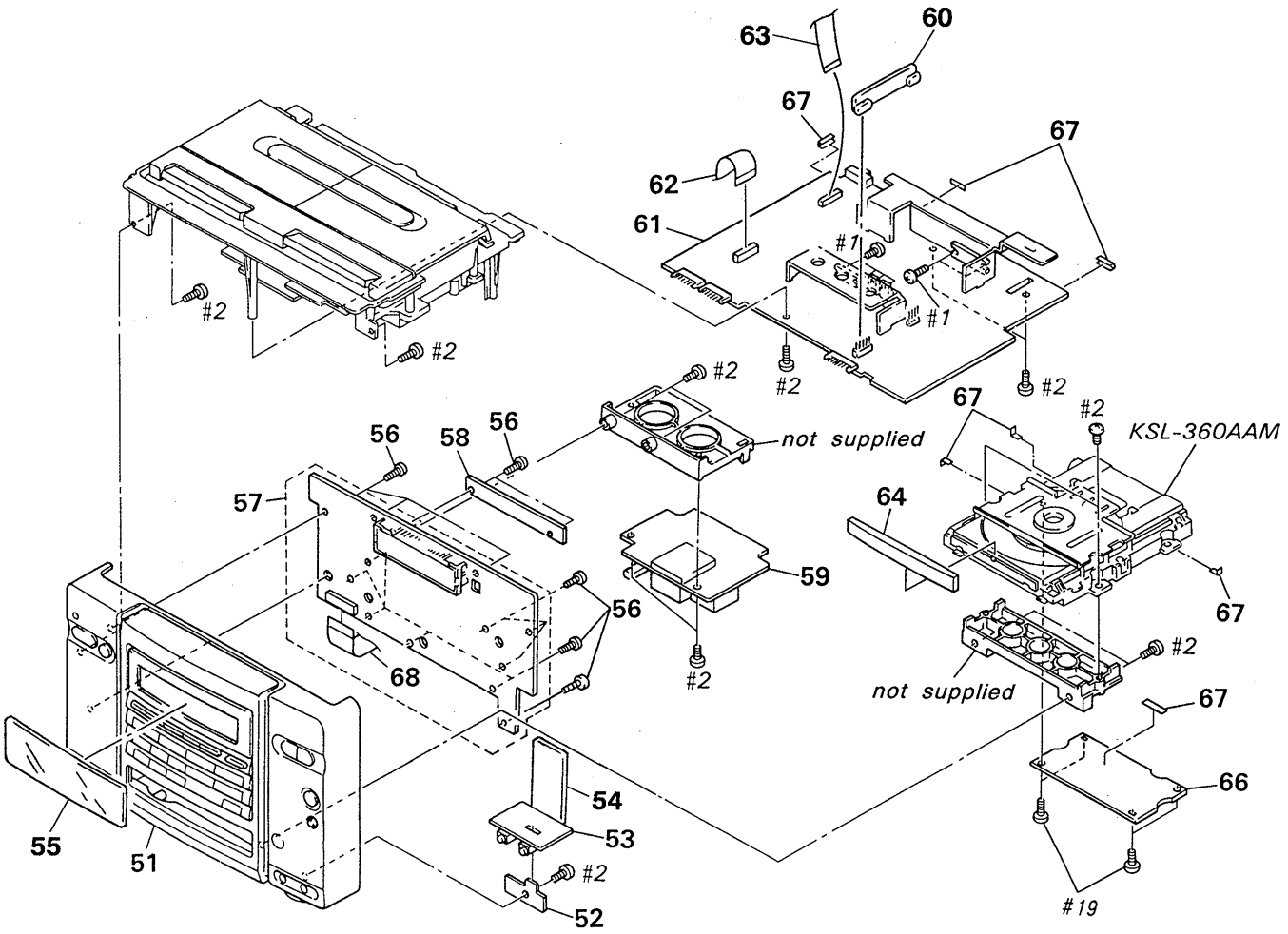
6-1. REAR CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	3-379-748-01	SPRING (-)	
* 2	1-647-667-11	POWER BOARD	
3	3-365-853-01	SCREW (+BTPWH) (3X12)	
4	3-383-758-01	SPRING (S), BATTERY	
* 5	1-647-673-11	BATTERY (S) BOARD	
* 6	3-387-850-01	TERMINAL, ANTENNA	
7	3-380-543-21	CABINET (REAR)	(CFD-758/768:Canadian)
7	3-389-061-01	CABINET (REAR)	(CFD-758:US)
7	3-389-061-21	CABINET (REAR)	(CFD-768:US)

Ref. No.	Part No.	Description	Remark
8	3-380-558-01	STOPPER (H)	
9	X-3365-262-1	HANDLE ASSY	
10	3-380-756-01	SCREW (+ BVTP) (3X40)	
* 11	1-647-672-11	BATTERY (L) BOARD	
12	3-380-548-01	LID, BATTERY CASE	
* 13	3-383-570-01	CUSHION, RUBBER	
ANT1	1-501-383-21	ANTENNA, TELESCOPIC	
⚠F901	1-533-265-11	FUSE, GLASS TUBE (8A/125V)	
⚠T901	1-423-586-11	TRANSFORMER, POWER	

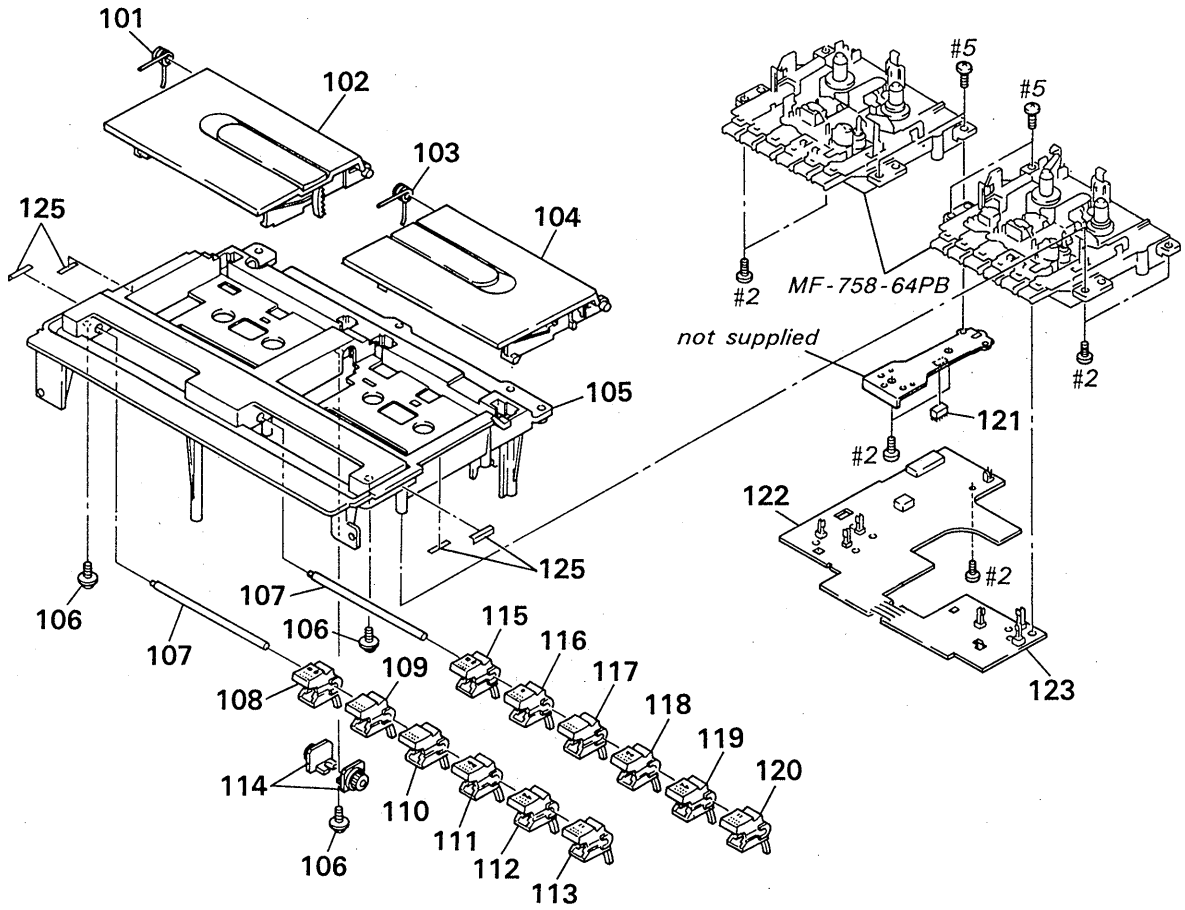
6-2. FRONT CABINET SECTION



Ref.No.	Part No.	Description	Remark
51	X-3366-369-1	CABINET (FRONT) SUB ASSY	(CFD-758)
51	X-3366-372-1	CABINET (FRONT) SUB ASSY	(CFD-768)
* 52	1-647-671-11	RETAINER BOARD	
* 53	1-647-659-11	H.P BOARD	
* 54	1-647-660-11	RELAY (H.M) BOARD	
55	0-581-886-00	WINDOW, LCD	(CFD-768)
55	3-388-069-01	WINDOW, LCD	(CFD-758)
56	4-931-757-41	SCREW (DIA.2.6X10) (IT3B)	
* 57	A-3264-323-A	CONTROL BOARD, COMPLETE	(CFD-758)
* 57	A-3264-340-A	CONTROL BOARD, COMPLETE	(CFD-768)
* 58	1-647-666-11	LAMP BOARD	

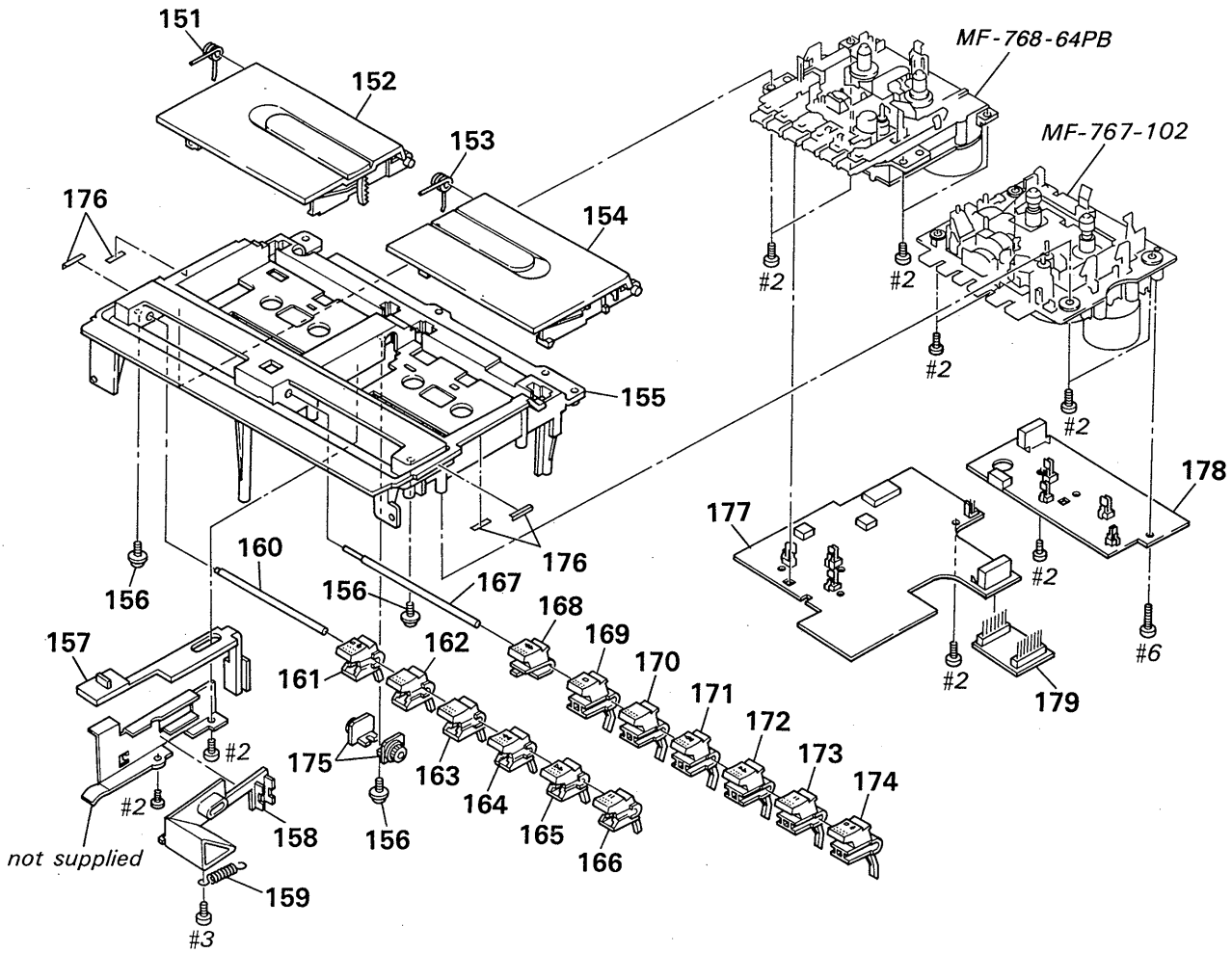
Ref.No.	Part No.	Description	Remark
* 59	A-3264-318-A	TU BOARD, COMPLETE	
* 60	A-3264-308-A	MEGABASS BOARD, COMPLETE	
* 61	A-3264-306-A	MAIN BOARD, COMPLETE	(CFD-758)
* 61	A-3264-344-A	MAIN BOARD, COMPLETE	(CFD-768)
* 62	1-751-074-11	WIRE, PARALLEL (FFC)	
63	1-751-073-11	WIRE, PARALLEL (FFC)	
64	3-380-565-01	PLATE, CD	
* 66	A-3264-309-A	CD BOARD, COMPLETE	
67	3-831-441-XX	CUSIHON	
68	1-696-061-11	WIRE, PARALLEL (FFC) (24 CORE)	

6-3. UPPER CABINET SECTION (CFD-758)



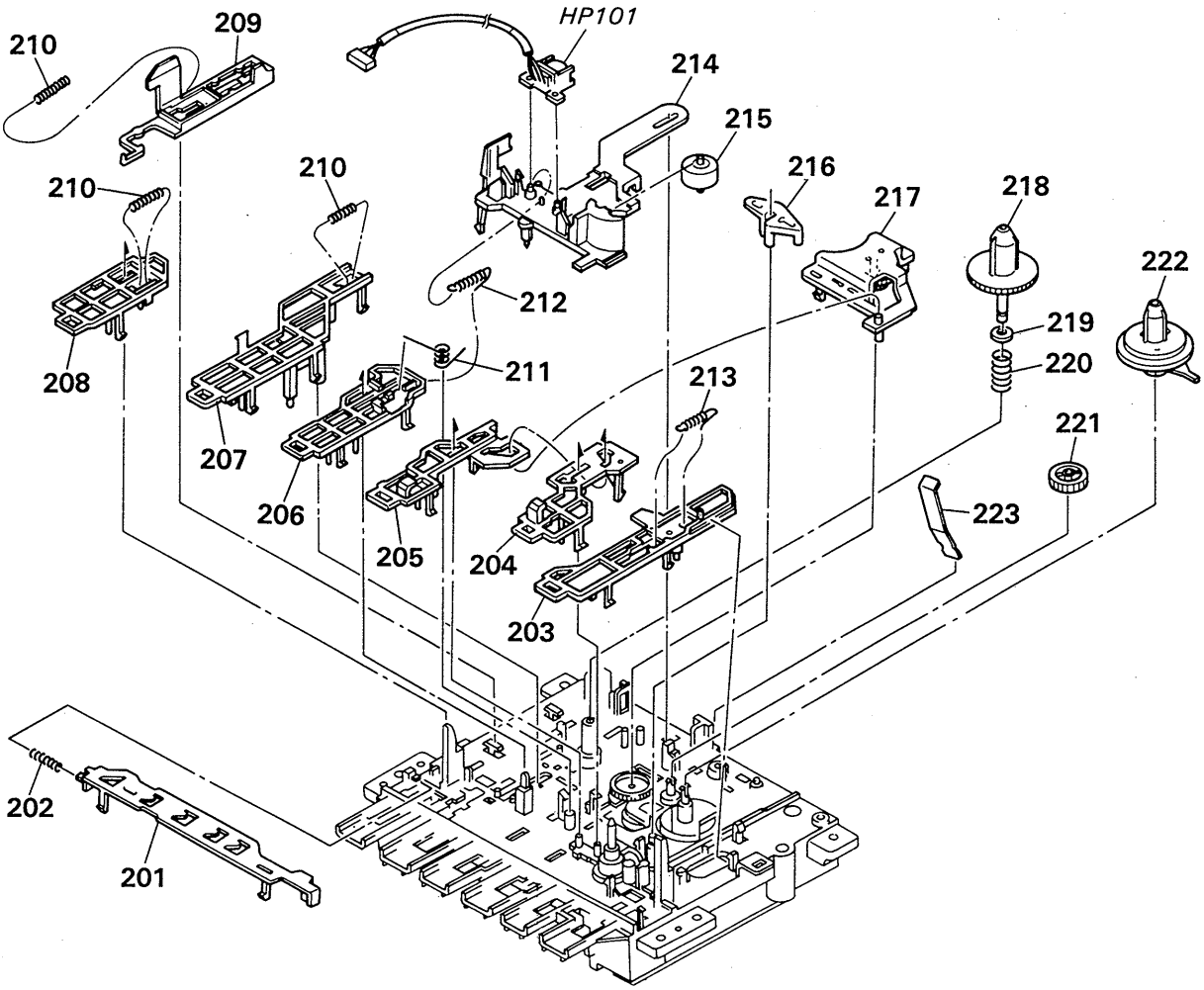
Ref. No.	Part No.	Description	Remark
101	3-383-500-01	SPRING, OPEN (L)	
102	X-3366-383-1	HOLDER ASSY (A), CASSETTE	
103	3-383-500-12	SPRING, OPEN (L)	
104	X-3366-384-1	HOLDER ASSY (B), CASSETTE	
105	3-380-531-01	CABINET (UPPER)	
106	3-380-672-11	SCREW, WASHER	
107	3-380-576-01	SHAFT, MD (45)	
108	3-380-591-01	BUTTON (45A) (ST/ECECT)	
109	3-380-592-01	BUTTON (45A) (HI-DUB)	
110	3-380-593-01	BUTTON (45A) (PLAY)	
111	3-380-594-01	BUTTON (45A) (REW)	
112	3-380-595-01	BUTTON (45A) (FF)	
113	3-380-598-01	BUTTON (45A) (PAUSE)	
114	3-351-377-01	DAMPER	
115	3-380-599-01	BUTTON (45B) (ST/EJECT)	
116	3-380-600-01	BUTTON (45B) (REC)	
117	3-380-601-01	BUTTON (45B) (PLAY)	
118	3-380-602-01	BUTTON (45B) (REW)	
119	3-380-603-01	BUTTON (45B) (FF)	
120	3-380-606-01	BUTTON (45B) (PAUSE)	
121	4-934-522-01	CUSHION	
* 122	A-3264-304-A	TC BOARD, COMPLETE	
* 123	1-647-669-11	LEAF (45) BOARD	
* 125	3-383-186-01	CUSHION, UPPER	

6-4. UPPER CABINET SECTION (CFD-768)



Ref.No.	Part No.	Description	Remark
151	3-383-500-01	SPRING, OPEN (L)	
152	X-3366-383-1	HOLDER ASSY (A), CASSETTE	
153	3-383-501-01	SPRING, OPEN (R)	
154	X-3366-385-1	HOLDER ASSY (B), CASSETTE	
155	3-380-675-01	CABINET (UPPER)	
156	3-380-672-11	SCREW, WASHER	
157	3-380-683-01	LEVER, MODE	
158	3-380-684-01	LEVER, DIR	
159	3-383-792-01	SPRING, DIR	
160	3-380-576-01	SHAFT, MD (45)	
161	3-380-591-01	BUTTON (45A) (ST/ECECT)	
162	3-380-592-01	BUTTON (45A) (HI-DUB)	
163	3-380-593-01	BUTTON (45A) (PLAY)	
164	3-380-594-01	BUTTON (45A) (REW)	
165	3-380-595-01	BUTTON (45A) (FF)	
166	3-380-598-01	BUTTON (45A) (PAUSE)	
167	3-380-679-01	SHAFT, MD (70)	
168	3-380-693-01	BUTTON (70) (DIR)	
169	3-380-688-02	BUTTON (70) (REC)	
170	3-380-689-02	BUTTON (70) (PLAY)	
171	3-380-691-01	BUTTON (70) (REW)	
172	3-380-690-01	BUTTON (70) (FF)	
173	3-380-692-01	BUTTON (70) (PAUSE)	
174	3-380-687-01	BUTTON (70) (ST/EJECT)	
175	3-351-377-01	DAMPER	
* 176	3-383-186-01	CUSHION, UPPER	
* 177	A-3264-341-A	TC BOARD, COMPLETE	
* 178	1-647-670-11	LEAF (70) BOARD	
* 179	1-647-674-11	RELAY (70) BOARD	

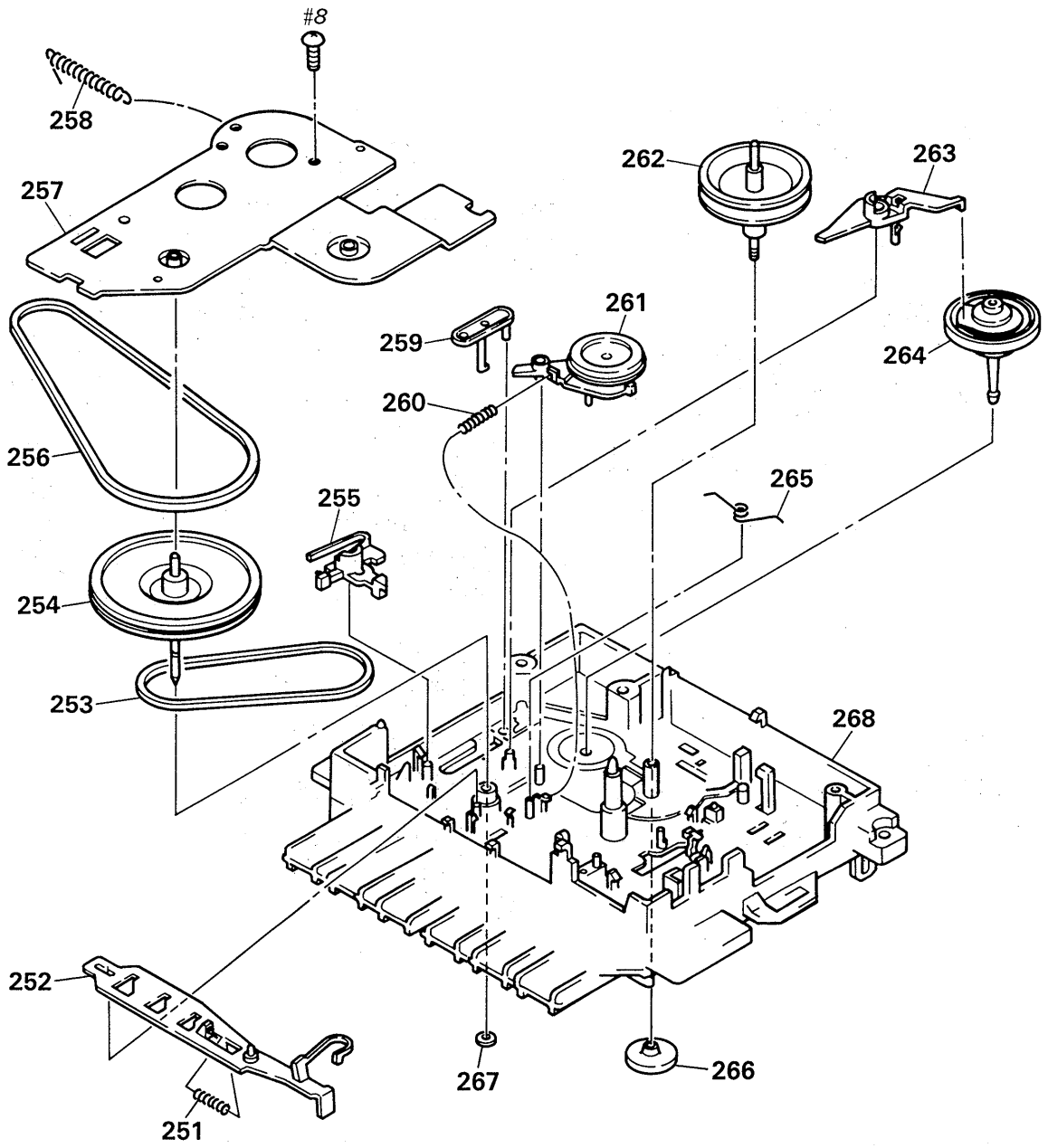
6-5. MECHANISM DECK SECTION-1 (CFD-758)
(DECK A : MF-758-64PB)



Ref. No.	Part No.	Description	Remark
201	4-932-695-01	SLIDER (FR), LOCK	
202	4-932-656-01	SPRING, COMPRESSION	
203	4-928-994-01	LEVER, PAUSE	
204	4-928-993-01	LEVER, FF	
205	4-928-992-01	LEVER, REW	
206	4-928-991-01	LEVER, PLAY	
207	4-921-195-01	LEVER (AC), REC	
208	4-928-985-01	LEVER, STOP	
209	4-936-206-01	SLIDER (S), EJECT	
210	4-932-648-01	SPRING, COMPRESSION	
211	4-928-973-01	SPRING	
212	4-928-972-01	SPRING, TENSION	
213	3-313-372-01	SPRING, TENSION	

Ref. No.	Part No.	Description	Remark
214	4-928-998-01	DECK (S), HEAD	
215	4-928-962-01	PINCH ROLLER	
216	4-928-982-01	LEVER (C)	
217	X-4920-347-1	LEVER (S) ASSY, FR	
218	4-928-978-01	GEAR (C), SUPPLY REEL	
219	4-931-795-11	WASHER	
220	3-343-381-01	SPRING, COMPRESSION	
221	3-343-285-01	GEAR, FF	
222	X-4920-350-3	GEAR (S) ASSY, T REEL	
223	4-928-957-01	RETAINER, CASSETTE	
HP101	1-543-628-11	HEAD, MAGNETIC (REC/PB)	

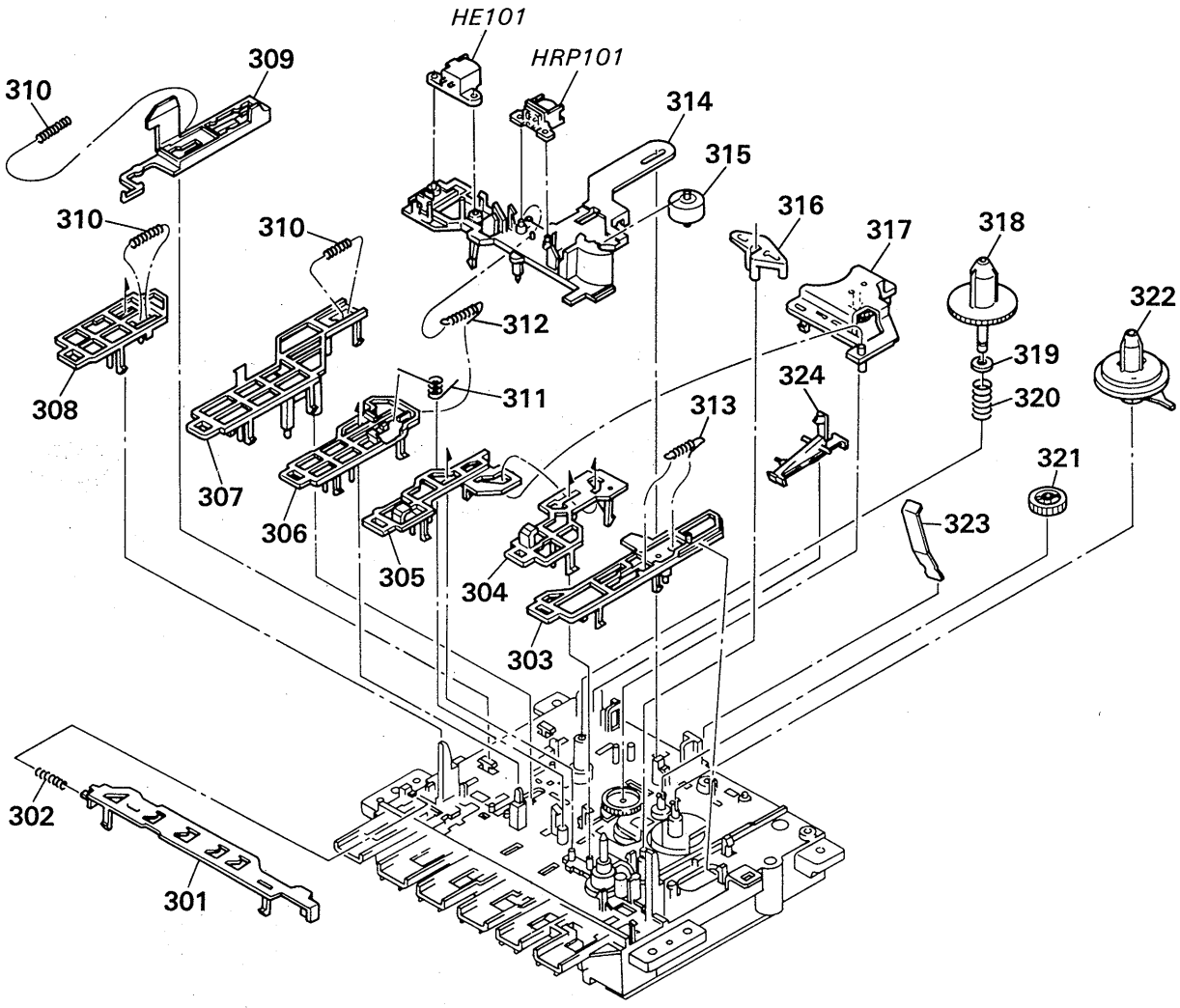
6-6. MECHANISM DECK SECTION-2 (CFD-758)
(DECK A : MF-758-64PB)



Ref. No.	Part No.	Description	Remark
251	4-932-656-01	SPRING, COMPRESSION	
252	4-928-996-01	LEVER, SW	
253	4-928-974-01	BELT (MIDWAY)	
254	X-4920-923-1	WHEEL (W) ASSY, CAPSTAN	
255	4-928-987-01	LEVER (T), SHUT-OFF	
256	4-934-520-01	BELT	
* 257	X-4918-598-1	PLATE ASSY, GROUND	
258	3-322-527-01	SPRING, TENSION	
259	4-928-961-01	PLATE, PAUSE LOCK	

Ref. No.	Part No.	Description	Remark
260	4-932-655-01	SPRING, COMPRESSION	
261	X-4920-346-2	LEVER (S) ASSY, IDLER	
262	X-4920-922-1	PULLEY (W) ASSY, FR	
263	4-928-986-01	LEVER (S), SHUT-OFF	
264	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
265	4-928-958-01	SPRING, FR RETURN	
266	4-928-967-01	GEAR (C), MIDWAY	
267	3-343-358-01	RING, RETAINING	
268	A-3208-379-A	CHASSIS (S) ASSY, MECHANISM	

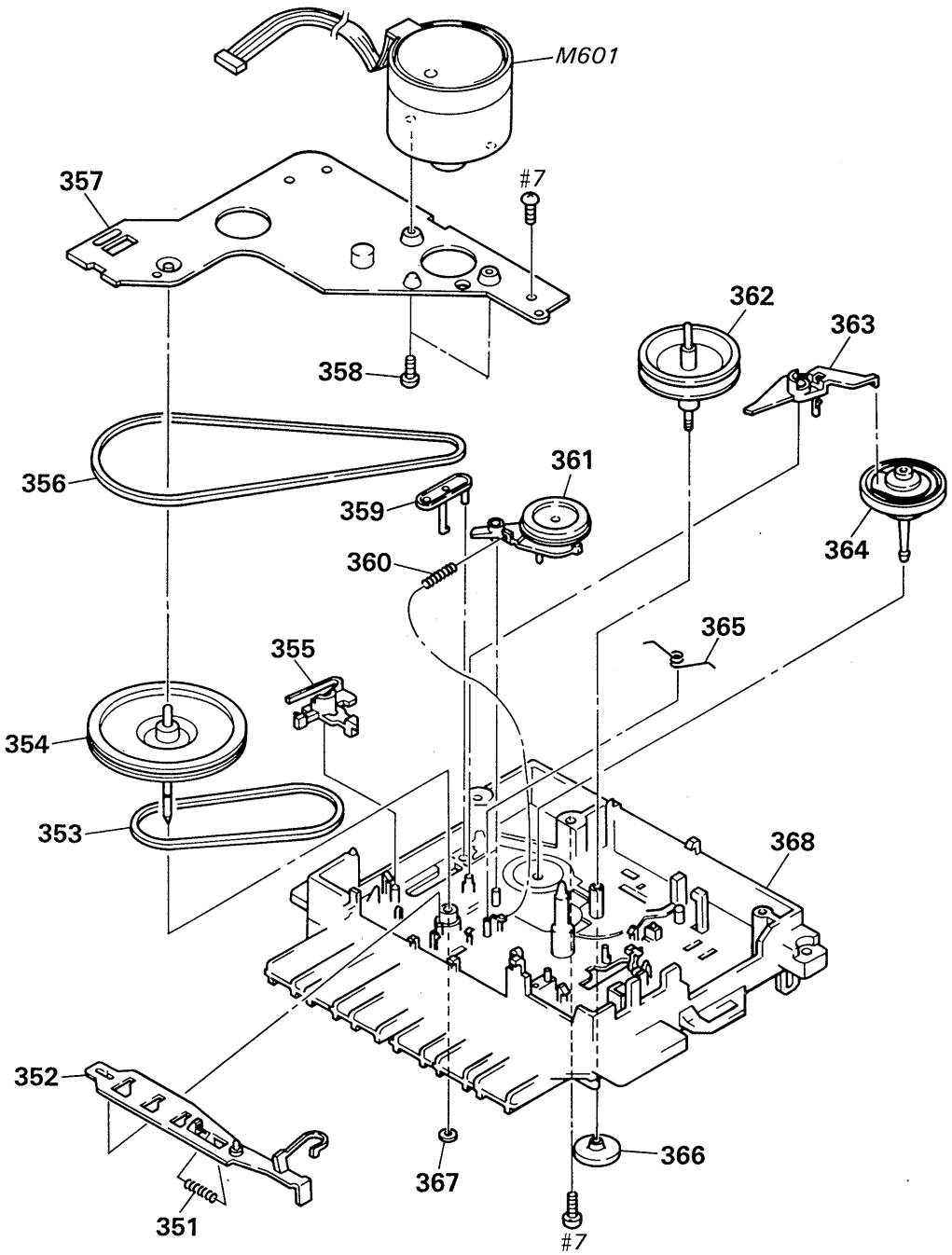
6-7. MECHANISM DECK SECTION-3 (CFD-758) (DECK B : MF-758-64PB)



Ref. No.	Part No.	Description	Remark
301	4-932-695-11	SLIDER (FR), LOCK	
302	4-932-656-01	SPRING, COMPRESSION	
303	4-928-994-01	LEVER, PAUSE	
304	4-928-993-01	LEVER, FF	
305	4-928-992-01	LEVER, REW	
306	4-928-991-01	LEVER, PLAY	
307	4-921-195-01	LEVER (AC), REC	
308	4-928-985-01	LEVER, STOP	
309	4-936-206-01	SLIDER (S), EJECT	
310	4-932-648-01	SPRING, COMPRESSION	
311	4-928-973-01	SPRING	
312	4-928-972-01	SPRING, TENSION	
313	3-313-372-01	SPRING, TENSION	
314	4-921-196-01	DECK (AC), HEAD	

Ref. No.	Part No.	Description	Remark
315	4-928-962-01	PINCH ROLLER	
316	4-928-982-01	LEVER (C)	
317	X-4920-347-1	LEVER (S) ASSY, FR	
318	4-928-978-01	GEAR (C), SUPPLY REEL	
319	4-931-795-11	WASHER	
320	3-343-381-01	SPRING, COMPRESSION	
321	3-343-285-01	GEAR, FF	
322	X-4920-350-3	GEAR (S) ASSY, T REEL	
323	4-928-957-01	RETAINER, CASSETTE	
* 324	3-370-187-01	CLAW, ERASING PROTECTION	
HE101	1-543-535-11	HEAD, MAGNETIC (ERASE)	
HRP101	1-543-628-11	HEAD, MAGNETIC (REC/PB)	

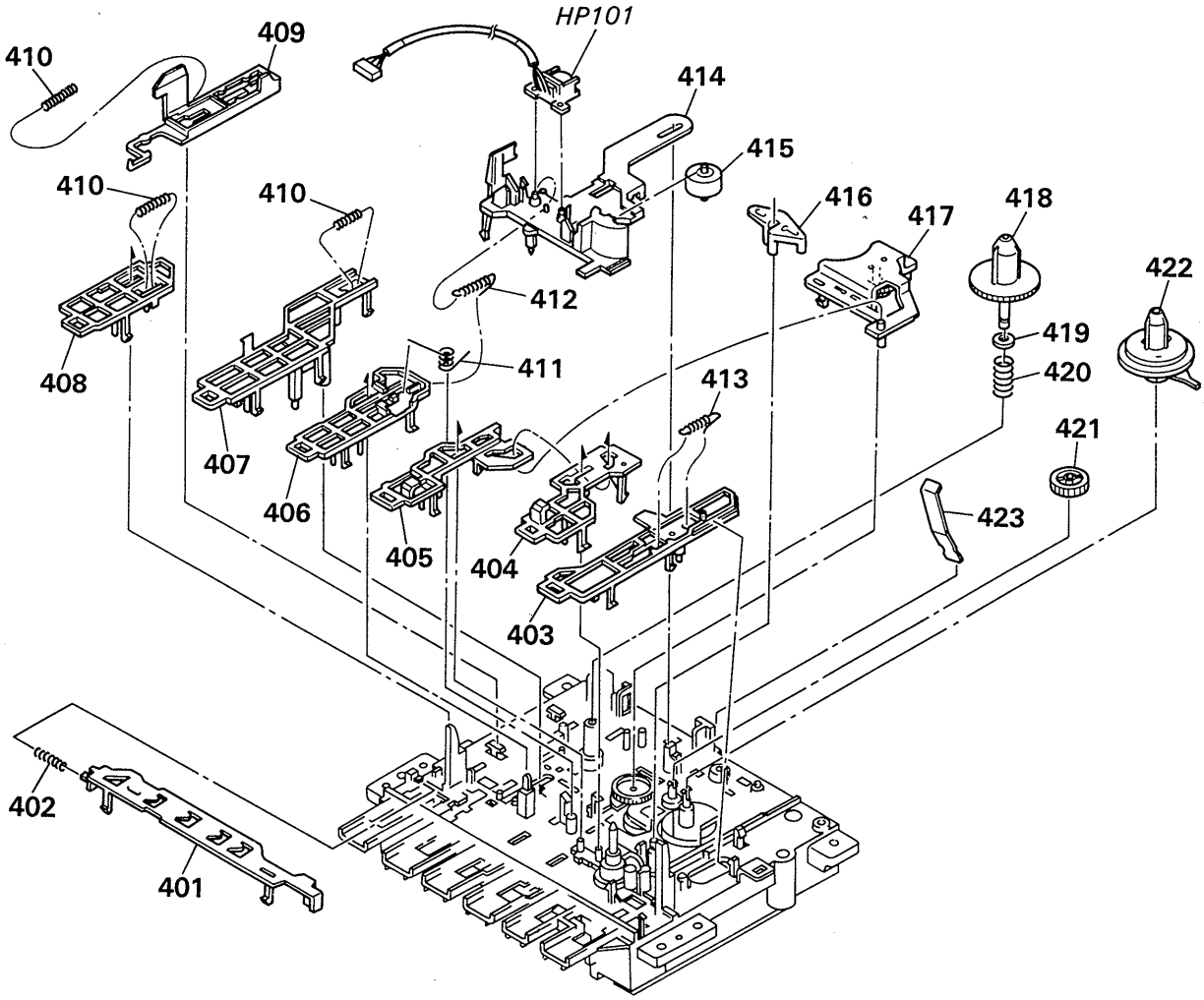
6-8. MECHANISM DECK SECTION-4 (CFD-758)
(DECK B : MF-758-64PB)



Ref. No.	Part No.	Description	Remark
351	4-932-656-01	SPRING, COMPRESSION	
352	4-928-996-01	LEVER, SW	
353	4-928-974-01	BELT (MIDWAY)	
354	X-4920-923-1	WHEEL (W) ASSY, CAPSTAN	
355	4-928-987-01	LEVER (T), SHUT-OFF	
356	4-934-521-01	BELT	
357	X-4920-921-1	PLATE (W) ASSY, GROUND	
358	3-343-251-01	SCREW (M2.6X2.5)	
359	4-928-961-01	PLATE, PAUSE LOCK	
360	4-932-655-01	SPRING, COMPRESSION	

Ref. No.	Part No.	Description	Remark
361	X-4920-346-2	LEVER (S) ASSY, IDLER	
362	X-4920-922-1	PULLEY (W) ASSY, FR	
363	4-928-986-01	LEVER (S), SHUT-OFF	
364	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
365	4-928-958-01	SPRING, FR RETURN	
366	4-928-967-01	GEAR (C), MIDWAY	
367	3-343-358-01	RING, RETAINING	
368	A-3208-379-A	CHASSIS (S) ASSY, MECHANISM	
M601	X-4920-924-1	MOTOR ASSY	

6-9. MECHANISM DECK SECTION-5 (CFD-768)
(DECK A : MF-768-64PB)

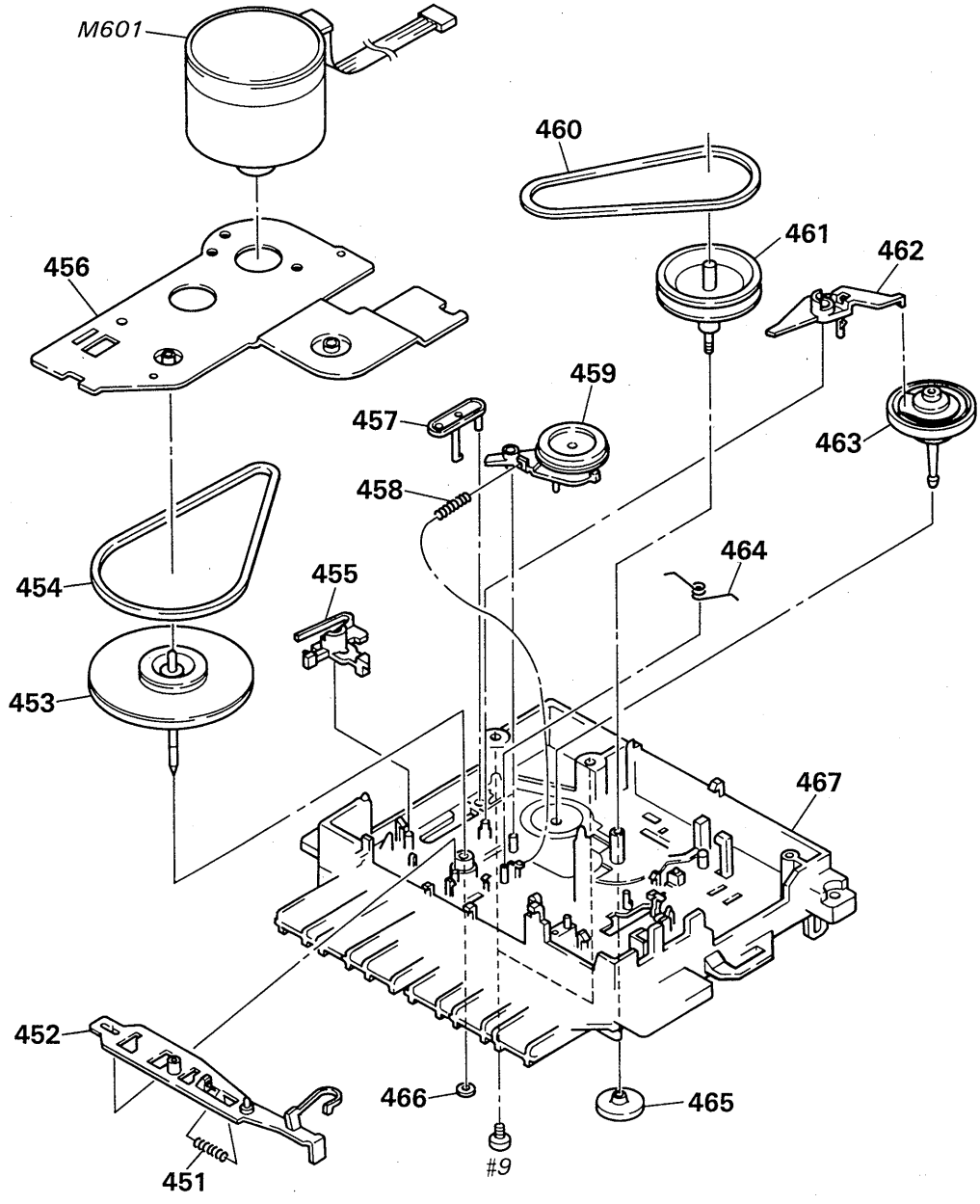


Ref. No.	Part No.	Description	Remark
401	4-932-695-11	SLIDER (FR), LOCK	
402	4-932-656-01	SPRING, COMPRESSION	
403	4-928-994-01	LEVER, PAUSE	
404	4-928-993-01	LEVER, FF	
405	4-928-992-01	LEVER, REW	
406	4-928-991-01	LEVER, PLAY	
407	4-921-195-01	LEVER (AC), REC	
408	4-928-985-01	LEVER, STOP	
409	4-936-206-01	SLIDER (S), EJECT	
410	4-932-648-01	SPRING, COMPRESSION	
411	4-928-973-01	SPRING	
412	4-928-972-01	SPRING, TENSION	
413	3-313-372-01	SPRING, TENSION	

Ref. No.	Part No.	Description	Remark
414	4-928-998-01	DECK (S), HEAD	
415	4-928-962-01	PINCH ROLLER	
416	4-928-982-01	LEVER (C)	
417	X-4920-347-1	LEVER (S) ASSY, FR	
418	4-928-978-01	GEAR (C), SUPPLY REEL	
419	4-931-795-11	WASHER	
420	3-343-381-01	SPRING, COMPRESSION	
421	3-343-285-01	GEAR, FF	
422	X-4920-350-3	GEAR (S) ASSY, T REEL	
423	4-928-957-01	RETAINER, CASSETTE	
HP101	1-543-714-11	HEAD, MAGNETIC (REC/PB)	

SEE ADDITIONAL INFORMATION

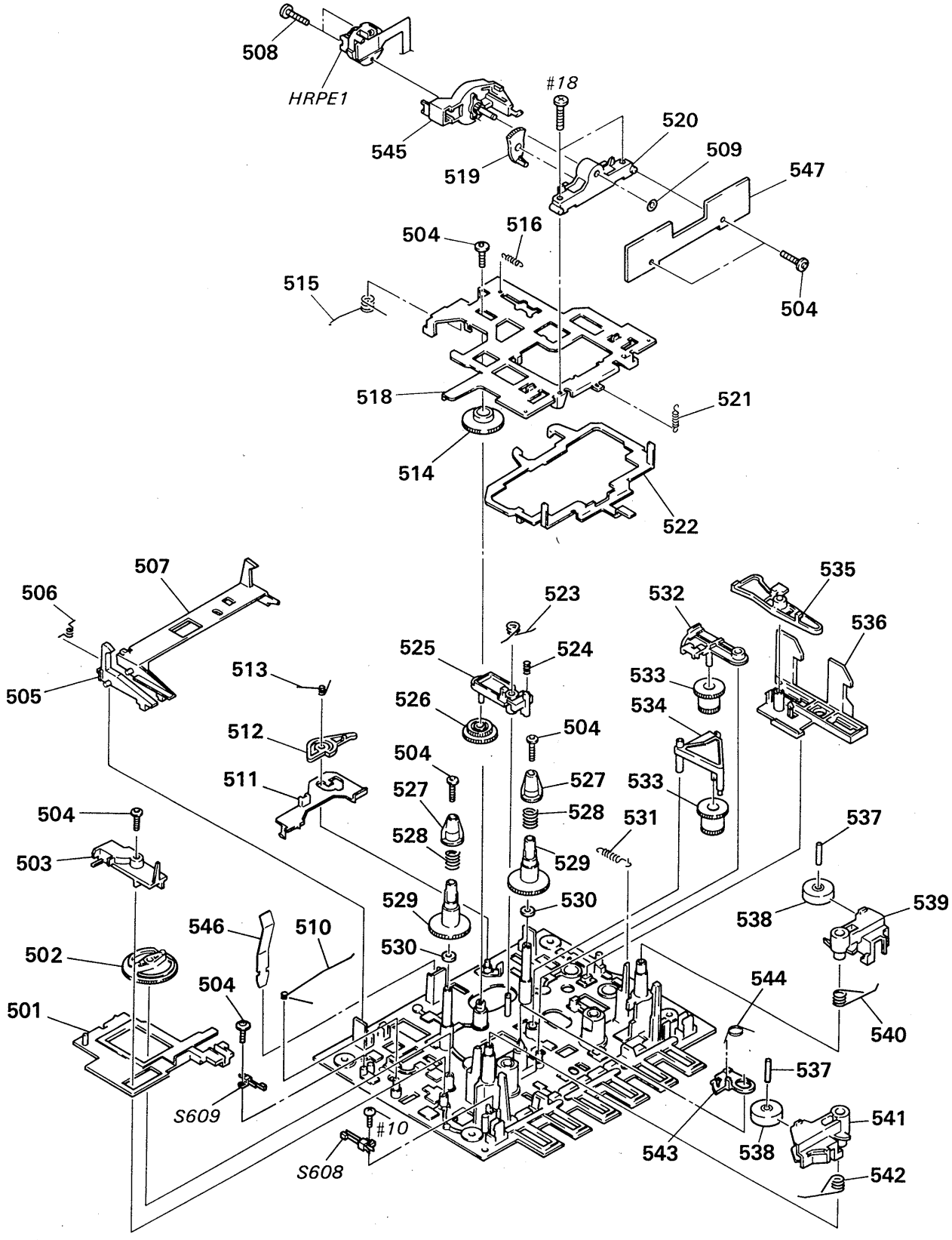
6-10. MECHANISM DECK SECTION-6 (CFD-768) (DECK A : MF-768-64PB)



Ref. No.	Part No.	Description	Remark
451	4-932-656-01	SPRING, COMPRESSION	
452	4-928-996-01	LEVER, SW	
453	X-4920-349-1	WHEEL (S) ASSY, CAPSTAN	
454	3-453-112-00	BELT (CAPSTAN)	
455	4-928-987-01	LEVER (T), SHUT-OFF	
* 456	X-4918-598-1	PLATE ASSY, GROUND	
457	4-928-961-01	PLATE, PAUSE LOCK	
458	4-932-655-01	SPRING, COMPRESSION	
459	X-4920-346-2	LEVER (S) ASSY, IDLER	

Ref. No.	Part No.	Description	Remark
460	4-928-974-01	BELT (MIDWAY)	
461	X-4918-580-1	PULLEY ASSY, FR	
462	4-928-986-01	LEVER (S), SHUT-OFF	
463	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
464	4-928-958-11	SPRING, FR RETURN	
465	4-928-967-01	GEAR (C), MIDWAY	
466	3-343-358-01	RING, RETAINING	
467	A-3208-379-A	CHASSIS (S) ASSY, MECHANISM	
M601	X-3366-404-1	MOTOR ASSY (REEL/CAPSTAN)	

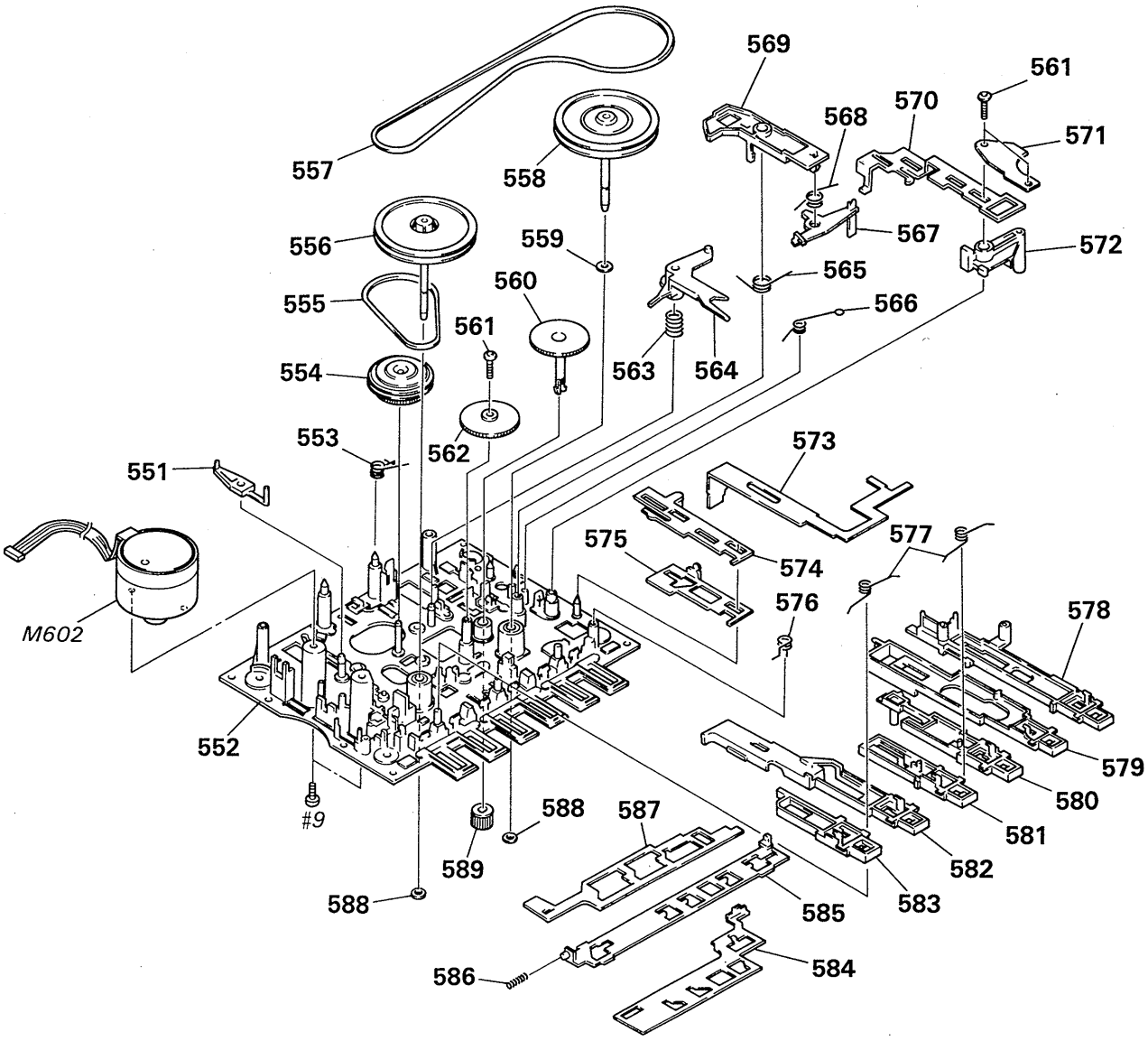
6-11. MECHANISM DECK SECTION-7 (CFD-768)
(DECK B : MF-767-102)



Ref. No.	Part No.	Description	Remark
501	3-374-364-01	SLIDER (NR)	
502	3-374-365-01	GEAR (NR), CAM	
503	3-374-330-01	LEVER (DIR A)	
504	3-344-737-11	SCREW (B1.4X6), TAPPING	
505	3-374-335-01	LEVER (ERASE N)	
506	4-930-451-01	SPRING	
507	3-374-366-01	LEVER (ERASE R)	
508	3-309-597-81	SCREW (1.4), TAPPING	
509	3-328-432-01	WASHER, STOPPER	
510	3-374-331-01	SPRING (DIR), TORSION	
511	3-374-332-01	SLIDER (BRAKE)	
512	3-374-333-01	LEVER (PAUSE)	
513	3-374-334-01	SPRING (BRAKE), TORSION	
514	3-374-329-01	GEAR, MIDWAY	
515	3-374-342-01	SPRING (HEAD), TORSION	
516	3-380-814-01	SPRING, TENSION	
* 518	3-381-657-01	CHASSIS, HEAD	
519	3-381-660-01	LEVER (FAN-SHAPED)	
* 520	3-381-658-02	GEAR (BASE), HEAD	
521	3-386-829-01	SPRING, TENSION	
* 522	3-374-370-01	SLIDER (HD)	
523	3-374-327-01	SPRING (N R), TORSION	
524	3-343-264-81	COLLAR, SPRING	
525	3-374-363-01	LEVER (FWD)	
526	3-374-328-01	GEAR, FWD	

Ref. No.	Part No.	Description	Remark
527	4-930-408-11	CLAW, REEL	
528	4-931-747-11	SPRING, COMPRESSION	
529	3-374-326-01	TABLE, REEL	
530	3-377-195-01	WASHER (S)	
531	3-377-194-01	SPRING, TENSION	
532	3-374-338-01	LEVER (REW)	
533	3-374-339-01	GEAR, FR	
534	3-374-368-01	LEVER (FF)	
535	3-374-336-01	LEVER (SW)	
* 536	3-374-367-01	LEVER (EJECT)	
537	3-366-052-11	SHAFT, PINCH ROLLER	
538	3-366-051-11	PINCH ROLLER	
* 539	3-374-372-01	LEVER (PINCH N)	
540	3-374-346-01	SPRING (N), TORSION	
* 541	3-374-373-01	LEVER (PINCH R)	
542	3-374-347-01	SPRING (R), TORSION	
543	3-374-340-01	LEVER (TIMER)	
544	3-374-341-01	SPRING (TIMER), TORSION	
545	X-3365-422-3	HOLDER ASSY, HEAD	
546	3-376-135-01	SPRING, CASSETTE	
* 547	1-645-055-13	HEAD RELAY BOARD	
HRPE1	1-543-944-11	HEAD, MAGNETIC (REC/PB/ERASE)	
S608	1-570-559-11	SWITCH, LEAF (DIR)	
S609	1-571-348-11	SWITCH, LEAF (F/R)	

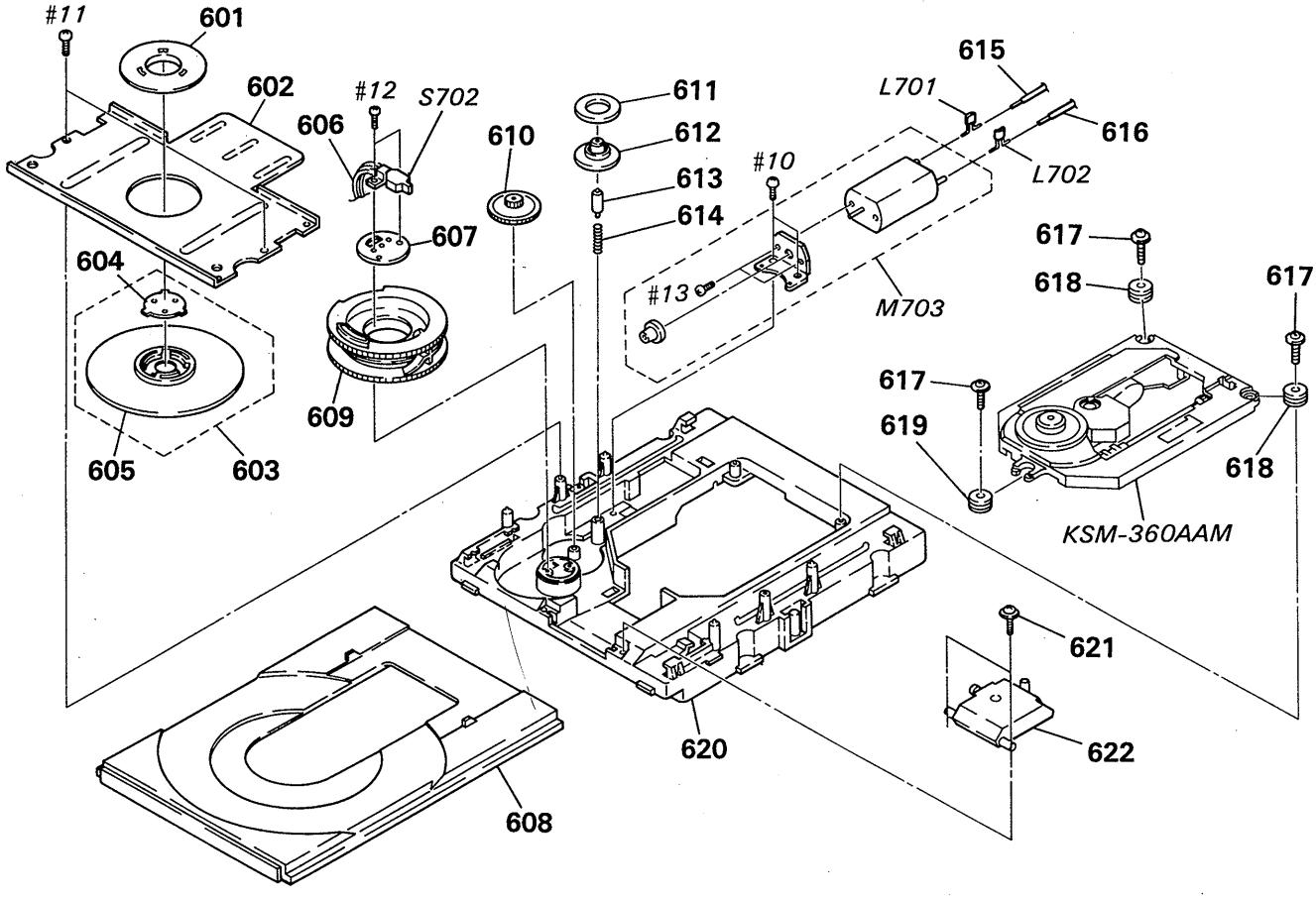
6-12. MECHANISM DECK SECTION-8 (CFD-768) (DECK B : MF-767-102)



Ref. No.	Part No.	Description	Remark
551	3-374-304-01	LEVER (PAUSE ROCK)	
* 552	X-3363-918-1	CHASSIS ASSY, MECHANICAL	
553	3-374-310-01	SPRING (FWD), TORSION	
554	X-3363-917-1	LIMITER ASSY, FWD	
555	3-374-321-01	BELT	
556	X-3365-411-1	FLY ASSY (N2)	
557	3-374-323-01	BELT	
558	X-3363-913-1	FLY ASSY (R)	
559	3-683-454-01	WASHER, POLYETHYLENE	
560	3-374-318-01	GEAR (A), DECELERATION	
561	3-344-737-11	SCREW (B1.4X6), TAPPING	
562	3-374-359-01	GEAR (S OFF), CAM	
563	3-375-011-01	SPRING, COMPRESSION	
* 564	3-374-316-01	LEVER (S OFF A)	
565	3-374-313-01	SPRING (S OFF), TORSION	
566	3-374-307-01	SPRING (MUTUAL), TORSION	
567	3-374-312-01	LEVER (S OFF B)	
568	3-374-311-01	SPRING (S OFF C), TORSION	
569	3-374-357-01	LEVER (S OFF C)	
570	3-374-358-01	SLIDER (ERASING)	

Ref. No.	Part No.	Description	Remark
* 571	3-374-317-01	REINFORCEMENT	
572	3-374-314-01	LEVER (DIR B)	
* 573	3-374-315-01	SLIDER (CR)	
574	3-374-306-01	SLIDER (MODE B)	
* 575	3-374-305-01	SLIDER (MODE A)	
576	3-374-309-01	SPRING (REC), TORSION	
577	3-374-308-01	SPRING (CONTROL), TORSION	
578	3-374-356-01	SLIDER (REC)	
579	3-374-355-01	SLIDER (FWD)	
580	3-374-354-01	SLIDER (REW)	
581	3-374-353-01	SLIDER (FF)	
582	3-374-352-01	SLIDER (PAUSE)	
583	3-374-351-01	SLIDER (STOP)	
* 584	3-374-348-01	SLIDER (FR)	
585	3-374-350-01	SLIDER (LOCK)	
586	4-932-648-01	SPRING, COMPRESSION	
* 587	3-374-349-01	SLIDER (SW)	
588	3-374-324-01	RING, RETAINING	
589	3-374-325-01	GEAR (B), DECELERATION	
M602	A-3253-408-A	MOTOR ASSY (9F) (REEL/CAPSTAN)	

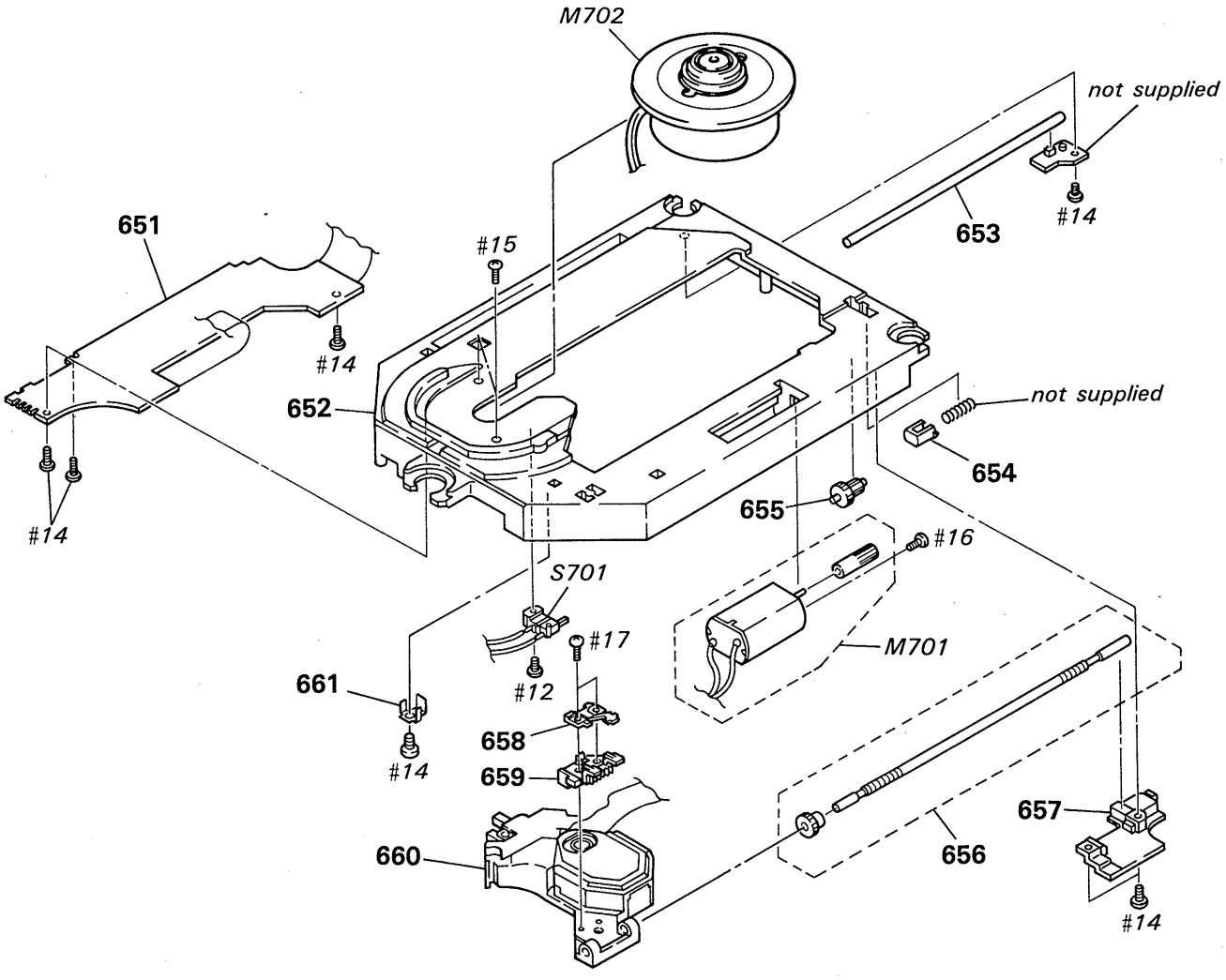
6-13. CD CHASSIS SECTION (KSL-360AAM)



Ref.No.	Part No.	Description	Remark
* 601	2-625-934-01	PULLEY (B), CHUCKING	
* 602	2-625-932-01	CHASSIS, CHUCK	
603	X-2625-355-1	CHUCKING (A) ASSY (RP)	
* 604	2-265-923-01	PLATE, PULLEY	
* 605	2-625-933-02	PULLEY (A), CHUCKING	
606	1-949-833-11	HARNESS (SW (K))	
* 607	2-625-920-01	SWITCH (BASE), LEAF	
608	2-625-936-01	TRAY	
609	2-625-931-01	GEAR, CONTROL	
610	2-625-925-01	GEAR (B)	
611	2-625-865-01	RING, RUBBER	
612	2-625-926-01	GEAR (A)	
613	2-625-927-01	SHAFT, SPRING	

Ref.No.	Part No.	Description	Remark
614	2-625-928-01	SPRING, COMPRESSION	
615	1-949-834-21	HARNESS (D)	
616	1-949-834-11	HARNESS (D)	
617	2-625-922-01	SCREW (2X6), +PTPWH	
618	2-625-864-11	INSULATOR	
619	2-625-864-01	INSULATOR	
* 620	2-625-935-01	CHASSIS, LU	
621	2-626-294-11	SCREW (+PTPWH) (2.6X7)	
* 622	2-625-930-01	LIFTER	
L701	1-410-678-31	MICRO INDUCTOR (220uH)	
L702	1-410-678-31	MICRO INDUCTOR (220uH)	
M703	X-2625-350-1	MOTOR ASSY, LOADING	
S702	1-692-053-11	SWITCH, LEAF (LOAD IN/OUT)	

6-14. OPTICAL PICKUP SECTION (KSM-360AAM)

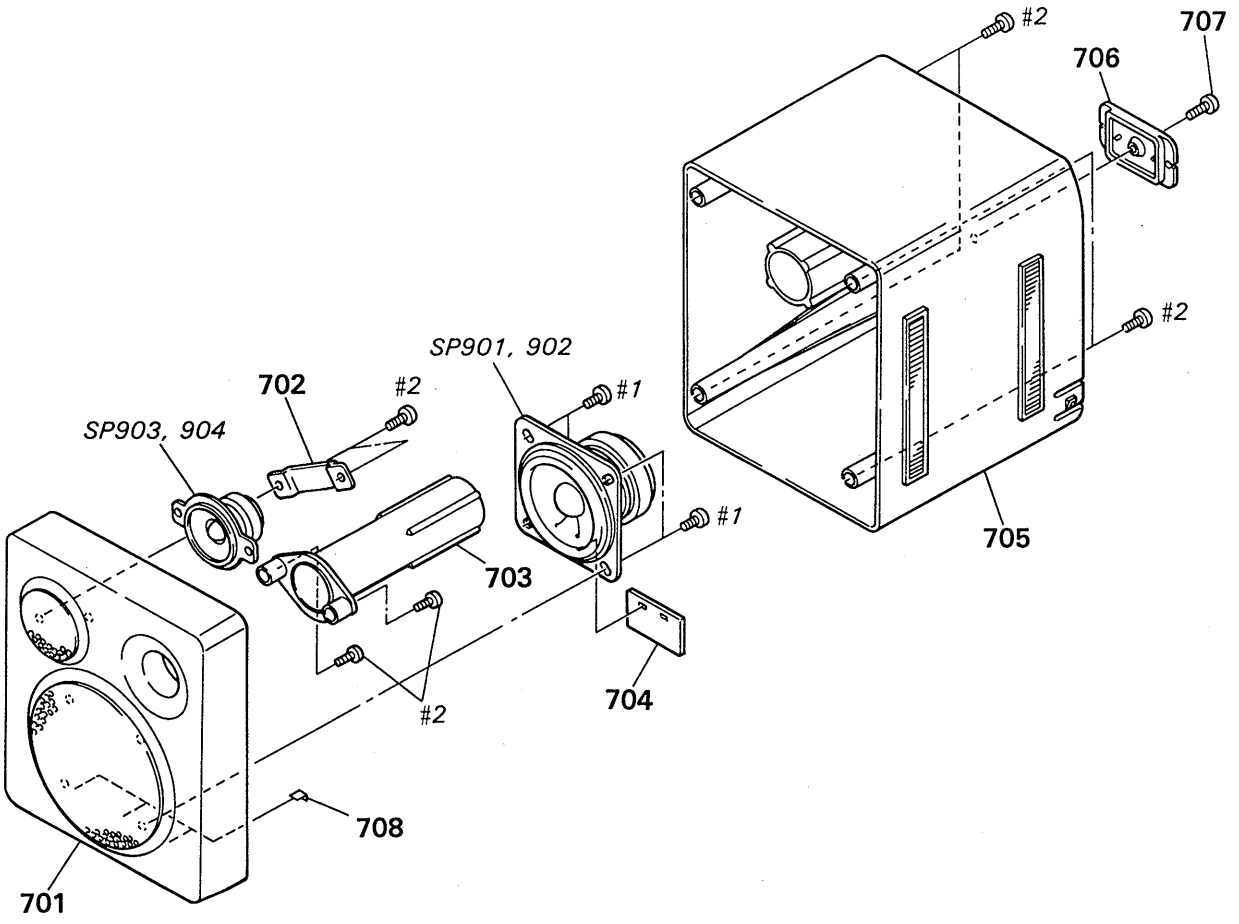


Ref. No.	Part No.	Description	Remark
651	1-643-074-12	TRANSLATION BOARD	
* 652	2-625-949-01	CHASSIS (80), MD	
* 653	2-625-943-01	SHAFT (80), GUIDE	
* 654	2-625-941-01	RETAINER (80), THRUST	
655	2-625-944-01	GEAR (B80)	
656	X-2625-351-1	SCREW (80) ASSY, SLED	
* 657	2-625-945-01	PLATE (80), FIXED	
658	2-626-098-01	RACK (80)	
659	2-626-099-01	RACK (80) (J)	
⚠660	8-848-246-01	OPTICAL PICK-UP BLOCK KSS-360A	
* 661	2-625-946-01	SPRING (80), SLED	

Ref. No.	Part No.	Description	Remark
M701	X-2625-352-1	MOTOR ASSY, SLED	
M702	X-2625-354-1	MOTOR ASSY, SPINDLE	
S701	1-570-771-21	SWITCH (LIMIT)	

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

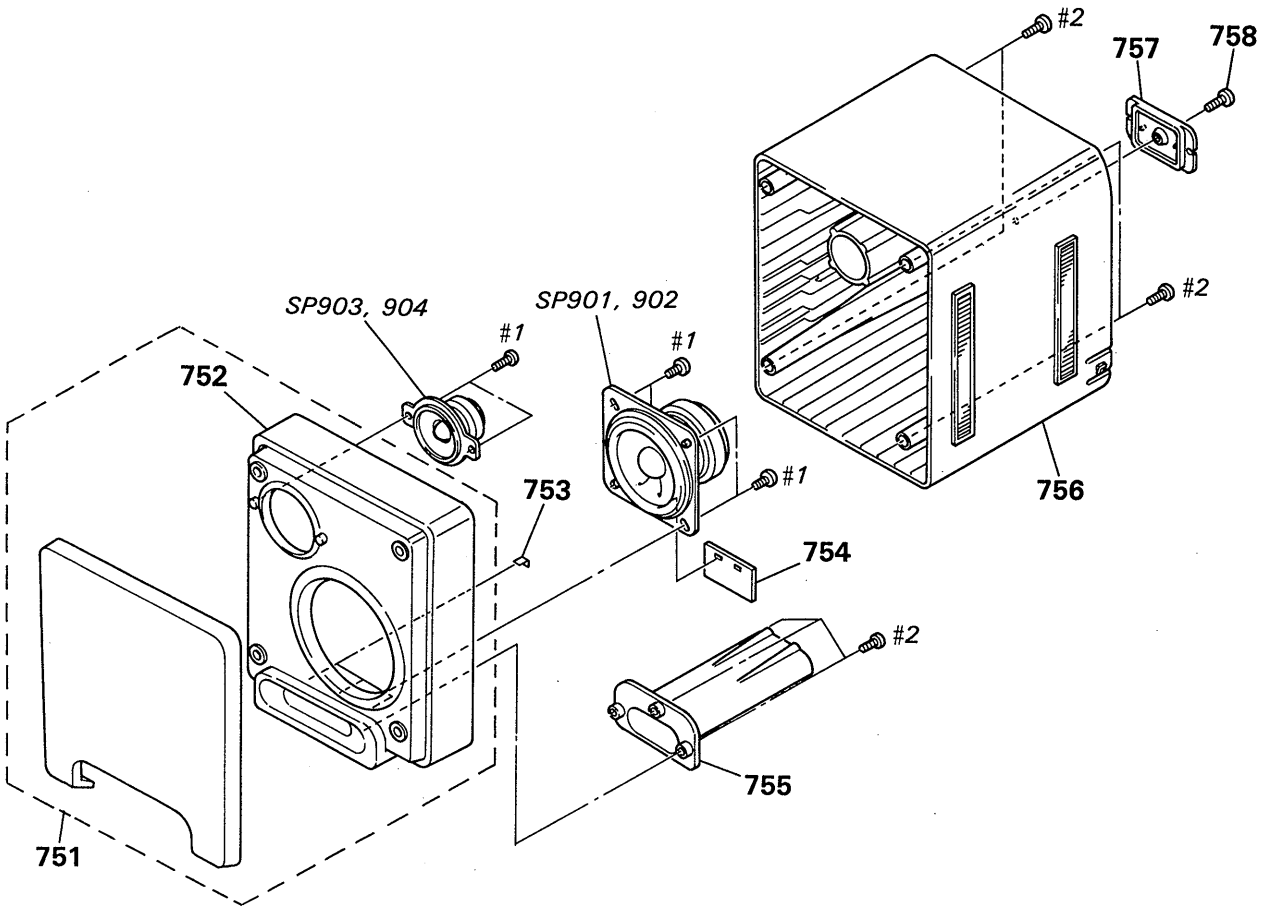
6-15. SPEAKER BOX SECTION (CFD-758)



Ref. No.	Part No.	Description	Remark
701	X-3366-426-1	SPK (FRONT) SUB ASSY (R CH)	
701	X-3366-427-1	SPK (FRONT) SUB ASSY (L CH)	
* 702	3-387-342-01	BRACKET, SPEAKER	
703	3-380-590-01	DUCT (51), SPEAKER	
* 704	1-644-428-11	SPEAKER (L) BOARD	
* 704	1-644-428-11	SPEAKER (R) BOARD	
705	3-380-544-01	CABINET (REAR) (L), SPEAKER	(L CH)
705	3-380-546-01	CABINET (REAR) (R), SPEAKER	(R CH)

Ref. No.	Part No.	Description	Remark
706	3-380-547-01	REEL, SPEAKER	
707	3-325-679-71	SCREW, TAPPING +BV 3X12	
708	3-831-441-XX	CUSHION, SPEAKER	
SP901	1-544-047-11	SPEAKER (WOOFER)	(L CH)
SP902	1-544-047-11	SPEAKER (WOOFER)	(R CH)
SP903	1-544-701-11	SPEAKER (TWEETER)	(L CH)
SP904	1-544-701-11	SPEAKER (TWEETER)	(R CH)

6-16. SPEAKER BOX SECTION (CFD-768)



Ref. No.	Part No.	Description	Remark
751	X-3365-282-1	SPK (FRONT) SUB ASSY (L CH)	
751	X-3365-283-1	SPK (FRONT) SUB ASSY (R CH)	
752	3-380-676-01	CABINET (FRONT) (52L), SPEAKER	
752	3-380-677-01	CABINET (FRONT) (52R), SPEAKER	
753	3-831-441-XX	CUSHION, SPEAKER	
* 754	1-644-428-11	SPEAKER (L) BOARD	
* 754	1-644-428-11	SPEAKER (R) BOARD	
755	3-380-686-01	DUCT, SPEAKER	

Ref. No.	Part No.	Description	Remark
756	3-380-544-01	CABINET (REAR), SPEAKER (L CH)	
756	3-380-546-01	CABINET (REAR), SPEAKER (R CH)	
757	3-380-547-01	REEL, SPEAKER	
758	3-325-679-71	SCREW, TAPPING +BV 3X12	
SP901	1-544-047-11	SPEAKER (WOOFER) (L CH)	
SP902	1-544-047-11	SPEAKER (WOOFER) (R CH)	
SP903	1-544-701-11	SPEAKER (TWEETER) (L CH)	
SP904	1-544-701-11	SPEAKER (TWEETER) (R CH)	

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the part specified in the diagrams or the components used on the set.
- -XX,-X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case,u : μ ,for example :
  uA... : μA..., uPA... : μPA...,
  uPB... : μPB..., uPC... : μPC...,
  uPD... : μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			Remark
*	1-647-672-11	BATTERY (L) BOARD			
		**********			
	3-379-748-01	SPRING (-)			
**********					
*	1-647-673-11	BATTERY (S) BOARD			
		**********			
	3-383-758-01	SPRING (S), BATTERY			
**********					
*	A-3264-309-A	CD BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C701	1-163-205-00	CERAMIC CHIP	0.001uF	5%	50V
C702	1-135-162-21	TANTALUM CHIP	33uF	20%	6.3V
C703	1-135-162-21	TANTALUM CHIP	33uF	20%	6.3V
C704	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C705	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C706	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C707	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C708	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C709	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C710	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C711	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C712	1-135-181-21	TANTALUM CHIP	4.7uF	20%	6.3V
C714	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C715	1-163-115-00	CERAMIC CHIP	82PF	5%	50V
C716	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C717	1-164-343-11	CERAMIC CHIP	0.056uF	10%	25V
C718	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C719	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C720	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C721	1-163-035-00	CERAMIC CHIP	0.047uF		50V
C722	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C724	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C725	1-163-078-11	CERAMIC CHIP	0.033uF	10%	25V
C726	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C727	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C728	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C729	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C730	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C732	1-163-012-00	CERAMIC CHIP	0.0018uF	10%	50V
C733	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C734	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C735	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C736	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C737	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C738	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C739	1-162-637-11	CERAMIC CHIP	0.47uF		16V
C740	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C742	1-163-035-00	CERAMIC CHIP	0.047uF		50V
C743	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C745	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C746	1-162-282-31	CERAMIC	100PF	10%	50V
C747	1-162-282-31	CERAMIC	100PF	10%	50V
C748	1-162-282-31	CERAMIC	100PF	10%	50V
C749	1-162-282-31	CERAMIC	100PF	10%	50V
C751	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C752	1-128-393-11	ELECT	100uF	20%	10V
C753	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C754	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C755	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C756	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C757	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C758	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C759	1-124-635-00	ELECT	220uF	20%	6.3V
C760	1-163-121-00	CERAMIC CHIP	150PF	5%	50V

Ref.No.	Part No.	Description			Remark
C761	1-163-245-11	CERAMIC CHIP	56PF	5% 50V	
C762	1-163-245-11	CERAMIC CHIP	56PF	5% 50V	
C763	1-163-005-11	CERAMIC CHIP	470PF	10% 50V	
C766	1-135-181-21	TANTALUM CHIP	4.7uF	20% 6.3V	
C769	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
C770	1-163-121-00	CERAMIC CHIP	150PF	5% 50V	
C771	1-163-245-11	CERAMIC CHIP	56PF	5% 50V	
C772	1-163-245-11	CERAMIC CHIP	56PF	5% 50V	
C773	1-163-005-11	CERAMIC CHIP	470PF	10% 50V	
C776	1-135-181-21	TANTALUM CHIP	4.7uF	20% 6.3V	
C781	1-163-038-00	CERAMIC CHIP	0.1uF	25V	
C782	1-128-393-11	ELECT	100uF	20% 10V	
C783	1-163-059-00	CERAMIC CHIP	0.01uF	10% 50V	
C784	1-163-031-11	CERAMIC CHIP	0.01uF	50V	
C785	1-124-455-00	ELECT	100uF	20% 16V	
C786	1-163-031-11	CERAMIC CHIP	0.01uF	50V	
C787	1-124-635-00	ELECT	220uF	20% 6.3V	
C788	1-163-031-11	CERAMIC CHIP	0.01uF	50V	
C789	1-164-005-11	CERAMIC CHIP	0.47uF	25V	
C790	1-163-009-11	CERAMIC CHIP	0.001uF	10% 50V	
C792	1-163-005-11	CERAMIC CHIP	470PF	10% 50V	
C793	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C794	1-163-009-11	CERAMIC CHIP	0.001uF	10% 50V	
C795	1-162-306-11	CERAMIC	0.01uF	20% 16V	
C796	1-162-294-31	CERAMIC	0.001uF	10% 50V	
C797	1-162-294-31	CERAMIC	0.001uF	10% 50V	
		< CONNECTOR >			
* CN701	1-691-777-11	HOUSING, CONNECTOR 29P			
CN702	1-563-627-11	CONNECTOR, FLEXIBLE 24P			
		< DIODE >			
D701	8-719-404-46	DIODE MA110			
D702	8-719-404-46	DIODE MA110			
D703	8-719-404-46	DIODE MA110			
D704	8-719-404-46	DIODE MA110			
D705	8-719-404-46	DIODE MA110			
D706	8-719-404-46	DIODE MA110			
		< IC >			
IC701	8-752-059-30	IC CXA1610M			
IC702	8-752-058-77	IC CXA1372AQ			
IC703	8-752-352-93	IC CXD2500BQ			
IC704	8-759-518-59	IC BA6296FP			
IC705	8-759-962-08	IC BA6208			
IC706	8-759-093-98	IC CXD8451M-ET			
IC707	8-759-710-55	IC NJM2100M			
IC710	8-759-948-48	IC RH5RA50A			

Ref.No.	Part No.	Description			Remark
		< JUMPER RESISTOR >			
JR701	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR702	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR703	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR704	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR705	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR706	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR707	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR708	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR709	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR710	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR711	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR712	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR713	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR714	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR715	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR716	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR717	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR718	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR719	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR720	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR721	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR722	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR724	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR725	1-249-997-11	CARBON MELF	0	5% 1/8W	
JR726	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR727	1-249-366-11	CARBON MELF	0	5% 1/5W	
JR728	1-249-366-11	CARBON MELF	0	5% 1/5W	
		< COIL >			
L701	1-410-381-21	INDUCTOR CHIP	10uH		
L703	1-410-381-21	INDUCTOR CHIP	10uH		
L704	1-410-737-31	INDUCTOR CHIP	0.47uH		
		< IC LINK >			
⚠PS701	1-576-259-11	RINK, IC			
		< TRANSISTOR >			
Q701	8-729-101-07	TRANSISTOR	2SB798-DL		
Q702	8-729-805-91	TRANSISTOR	2SA1563		
Q703	8-729-101-07	TRANSISTOR	2SB798-DL		
Q704	8-729-805-94	TRANSISTOR	2SC4047		

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

CD

Ref.No.	Part No.	Description				Remark
Q705	8-729-920-31	TRANSISTOR	DTC343TK			
Q706	8-729-920-31	TRANSISTOR	DTC343TK			
Q707	8-729-805-42	TRANSISTOR	2SC3859			
Q708	8-729-805-42	TRANSISTOR	2SC3859			
Q709	8-729-805-91	TRANSISTOR	2SA1563			
Q710	8-729-805-45	TRANSISTOR	2SC3395			
Q711	8-729-805-45	TRANSISTOR	2SC3395			
Q712	8-729-805-94	TRANSISTOR	2SC4047			
Q713	8-729-805-94	TRANSISTOR	2SC4047			
Q715	8-729-140-75	TRANSISTOR	2SD999-CLCK			
		< RESISTOR >				
R701	1-249-395-11	CARBON	15	5%	1/4W	
R702	1-249-311-91	CARBON MELF	10	5%	1/8W	
R703	1-249-350-11	CARBON MELF	18K	5%	1/8W	
R704	1-216-066-00	METAL CHIP	5.1K	5%	1/10W	
R705	1-249-339-11	CARBON MELF	2.2K	5%	1/8W	
R715	1-249-359-11	CARBON MELF	100K	5%	1/8W	
R716	1-249-360-11	CARBON MELF	120K	5%	1/8W	
R717	1-249-360-11	CARBON MELF	120K	5%	1/8W	
R718	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R719	1-249-347-11	CARBON MELF	10K	5%	1/8W	
R720	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R721	1-216-113-00	METAL CHIP	470K	5%	1/10W	
R722	1-249-360-11	CARBON MELF	120K	5%	1/8W	
R723	1-249-347-11	CARBON MELF	10K	5%	1/8W	
R724	1-249-417-11	CARBON	1K	5%	1/4W	
R725	1-249-435-11	CARBON	33K	5%	1/4W	
R726	1-249-365-11	CARBON MELF	330K	5%	1/8W	
R727	1-249-426-11	CARBON	5.6K	5%	1/4W	
R728	1-215-417-00	METAL	680	1%	1/6W	
R729	1-249-358-11	CARBON MELF	82K	5%	1/8W	
R730	1-249-341-11	CARBON MELF	3.3K	5%	1/8W	
R731	1-249-341-11	CARBON MELF	3.3K	5%	1/8W	
R732	1-249-360-11	CARBON MELF	120K	5%	1/8W	
R733	1-249-359-11	CARBON MELF	100K	5%	1/8W	
R734	1-216-074-00	METAL CHIP	11K	5%	1/10W	
R735	1-249-335-11	CARBON MELF	1K	5%	1/8W	
R736	1-249-409-11	CARBON	220	5%	1/4W	
R737	1-249-407-11	CARBON	150	5%	1/4W	
R739	1-249-423-11	CARBON	3.3K	5%	1/4W	
R740	1-249-351-11	CARBON MELF	22K	5%	1/8W	
R745	1-249-402-11	CARBON	56	5%	1/4W	
R746	1-249-326-11	CARBON MELF	180	5%	1/8W	
R749	1-249-347-11	CARBON MELF	10K	5%	1/8W	
R750	1-216-024-00	METAL GLAZE	91	5%	1/10W	
R751	1-249-352-11	CARBON MELF	27K	5%	1/8W	
R752	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R753	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R754	1-249-339-11	CARBON MELF	2.2K	5%	1/8W	

Ref.No.	Part No.	Description				Remark
R756	1-249-421-11	CARBON	2.2K	5%	1/4W	
R757	1-249-346-11	CARBON MELF	8.2K	5%	1/8W	
R758	1-249-341-11	CARBON MELF	3.3K	5%	1/8W	
R760	1-249-347-11	CARBON MELF	10K	5%	1/8W	
R761	1-249-437-11	CARBON	47K	5%	1/4W	
R762	1-249-347-11	CARBON MELF	10K	5%	1/8W	
R763	1-249-437-11	CARBON	47K	5%	1/4W	
R764	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R765	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R766	1-249-340-11	CARBON MELF	2.7K	5%	1/8W	
R767	1-249-997-11	CARBON MELF	0	5%	1/8W	
R768	1-249-997-11	CARBON MELF	0	5%	1/8W	
R770	1-249-347-11	CARBON MELF	10K	5%	1/8W	
R771	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R772	1-249-347-11	CARBON MELF	10K	5%	1/8W	
R773	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R774	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R775	1-249-355-11	CARBON MELF	47K	5%	1/8W	
R776	1-249-340-11	CARBON MELF	2.7K	5%	1/8W	
R777	1-249-997-11	CARBON MELF	0	5%	1/8W	
R778	1-249-997-11	CARBON MELF	0	5%	1/8W	
R780	1-249-997-11	CARBON MELF	0	5%	1/8W	
R781	1-249-997-11	CARBON MELF	0	5%	1/8W	
R782	1-249-349-11	CARBON MELF	15K	5%	1/8W	
R783	1-249-349-11	CARBON MELF	15K	5%	1/8W	
R785	1-249-329-11	CARBON MELF	330	5%	1/8W	
⚠R786	1-219-212-11	FUSIBLE	15	5%	1/8W	
R787	1-249-347-11	CARBON MELF	10K	5%	1/8W	
R788	1-249-335-11	CARBON MELF	1K	5%	1/8W	
R789	1-249-347-11	CARBON MELF	10K	5%	1/8W	
		< CONPOSITION CIRCUIT BLOCK >				
RB701	1-236-904-11	RESISTOR, NETWORK (CHIP TYPE)				
RB702	1-239-309-11	RESISTOR ARRAY, CHIP 100K				
		< VARIABLE RESISTOR >				
RV701	1-238-019-11	RES, ADJ, CARBON 47K				
RV702	1-238-019-11	RES, ADJ, CARBON 47K				
RV703	1-238-019-11	RES, ADJ, CARBON 47K				
RV704	1-238-019-11	RES, ADJ, CARBON 47K				
		< VIBRATOR >				
X701	1-579-345-11	VIBRATOR, CERAMIC (16.9344MHz)				

****

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			Remark
*	A-3264-323-A	CONTROL BOARD, COMPLETE			(CFD-758)
		**********			
*	A-3264-340-A	CONTROL BOARD, COMPLETE			(CFD-768)
		**********			
*	1-647-666-11	LAMP BOARD			
		**********			
	1-696-061-11	WIRE, PARALLEL (FFC) (24 CORE)			
	3-379-933-01	ILLUMINATOR (51)			
	3-380-566-01	HOLDER, LCD			
	4-931-757-41	SCREW (DIA. 2.6X10) (IT3B)			
		< CAPACITOR >			
C802	1-124-907-11	ELECT	10uF	20%	50V
C803	1-162-306-11	CERAMIC	0.01uF	20%	16V
C804	1-124-442-00	ELECT	330uF	20%	6.3V
C805	1-162-207-31	CERAMIC	22PF	5%	50V
C806	1-162-207-31	CERAMIC	22PF	5%	50V
C808	1-162-306-11	CERAMIC	0.01uF	20%	16V
C809	1-162-306-11	CERAMIC	0.01uF	20%	16V
C810	1-162-306-11	CERAMIC	0.01uF	20%	16V
C811	1-162-306-11	CERAMIC	0.01uF	20%	16V
C812	1-162-306-11	CERAMIC	0.01uF	20%	16V
C813	1-162-306-11	CERAMIC	0.01uF	20%	16V
C814	1-162-306-11	CERAMIC	0.01uF	20%	16V
C816	1-161-494-00	CERAMIC	0.022uF		25V
C817	1-124-034-51	ELECT	33uF	20%	16V
					(CFD-768)
C818	1-162-284-31	CERAMIC	150PF	10%	50V
C819	1-162-284-31	CERAMIC	150PF	10%	50V
C821	1-162-284-31	CERAMIC	150PF	10%	50V
C822	1-162-284-31	CERAMIC	150PF	10%	50V
C823	1-161-494-00	CERAMIC	0.022uF		25V
C824	1-162-294-31	CERAMIC	0.001uF	10%	50V
C825	1-162-294-31	CERAMIC	0.001uF	10%	50V
C826	1-162-294-31	CERAMIC	0.001uF	10%	50V
C827	1-162-294-31	CERAMIC	0.001uF	10%	50V
C851	1-162-216-31	CERAMIC	51PF	5%	50V
C852	1-101-882-00	CERAMIC	51PF	5%	50V
C853	1-101-882-00	CERAMIC	51PF	5%	50V
C854	1-162-216-31	CERAMIC	51PF	5%	50V
C855	1-162-306-11	CERAMIC	0.01uF	20%	16V
C856	1-162-306-11	CERAMIC	0.01uF	20%	16V
					(CFD-768)
C891	1-162-294-31	CERAMIC	0.001uF	10%	50V
C892	1-162-294-31	CERAMIC	0.001uF	10%	50V
		< CONNECTOR >			
CN801	1-580-368-11	HOUSING, CONNECTOR (PC BOARD) 12P			
CN802	1-580-368-11	HOUSING, CONNECTOR (PC BOARD) 12P			
CN803	1-580-368-11	HOUSING, CONNECTOR (PC BOARD) 12P			

Ref.No.	Part No.	Description			Remark
CN806	1-563-627-11	CONNECTOR, FLEXIBLE 24P			
		< DIODE >			
D801	8-719-911-19	DIODE	1SS119		
D802	8-719-987-04	LED	SLR34VR70F-150		(CFD-768)
D803	8-719-987-04	LED	SLR34VR70F-150		(CFD-768)
D804	8-719-987-04	LED	SLR34VR70F-150	(OPR/BATT)	
D806	8-719-911-19	DIODE	1SS119		
D807	8-719-037-64	LED	SLR-34DU70F150	(MEGA BASS)	
		< IC >			
IC801	8-752-842-67	IC	CXP50716-056Q		
IC802	8-759-076-13	IC	KIA7027P/F-TP		
IC805	8-741-100-47	IC	SBX1610-09		
		< COIL >			
L801	1-410-521-11	INDUCTOR	100uH		
L802	1-408-417-00	INDUCTOR	47uH		
L803	1-408-417-00	INDUCTOR	47uH		
L891	1-410-314-11	INDUCTOR	0.47uH		
		< LIQUID CRYSTAL DISPLAY >			
LCD801	1-809-729-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< PILOT LAMP >			
LP801	1-518-688-11	LAMP, PILOT			
LP802	1-518-688-11	LAMP, PILOT			
LP803	1-518-688-11	LAMP, PILOT			
LP804	1-518-688-11	LAMP, PILOT			
LP805	1-518-688-11	LAMP, PILOT			
		< TRANSISTOR >			
Q801	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q804	8-729-806-30	TRANSISTOR	2SC4048		
Q805	8-729-806-30	TRANSISTOR	2SC4048		(CFD-768)
Q806	8-729-806-30	TRANSISTOR	2SC4048		(CFD-768)
Q807	8-729-806-30	TRANSISTOR	2SC4048		(CFD-768)
Q810	8-729-806-30	TRANSISTOR	2SC4048		
Q897	8-729-806-30	TRANSISTOR	2SC4048		
Q899	8-729-672-43	TRANSISTOR	2SC2724-D		
Q900	8-729-672-43	TRANSISTOR	2SC2724-D		
		< RESISTOR >			
R801	1-249-437-11	CARBON	47K	5%	1/4W
R802	1-249-437-11	CARBON	47K	5%	1/4W
R803	1-249-437-11	CARBON	47K	5%	1/4W
R804	1-249-437-11	CARBON	47K	5%	1/4W
R805	1-249-405-11	CARBON	100	5%	1/4W
R806	1-249-441-11	CARBON	100K	5%	1/4W

CONTROL LANP

Ref.No.	Part No.	Description			Remark
R807	1-249-417-11	CARBON	1K	5%	1/4W
R808	1-249-441-11	CARBON	100K	5%	1/4W
R809	1-249-419-11	CARBON	1.5K	5%	1/4W
R810	1-247-891-00	CARBON	330K	5%	1/4W
R811	1-249-429-11	CARBON	10K	5%	1/4W
R812	1-249-429-11	CARBON	10K	5%	1/4W
R813	1-249-429-11	CARBON	10K	5%	1/4W
R814	1-249-429-11	CARBON	10K	5%	1/4W
R815	1-249-417-11	CARBON	1K	5%	1/4W
R816	1-249-417-11	CARBON	1K	5%	1/4W
R817	1-249-429-11	CARBON	10K	5%	1/4W
R818	1-249-429-11	CARBON	10K	5%	1/4W
R819	1-249-429-11	CARBON	10K	5%	1/4W
R820	1-249-417-11	CARBON	1K	5%	1/4W
R821	1-249-417-11	CARBON	1K	5%	1/4W
R822	1-249-417-11	CARBON	1K	5%	1/4W
R823	1-249-417-11	CARBON	1K	5%	1/4W (CFD-768)
R824	1-249-417-11	CARBON	1K	5%	1/4W
R825	1-249-417-11	CARBON	1K	5%	1/4W
R826	1-249-417-11	CARBON	1K	5%	1/4W
R827	1-249-417-11	CARBON	1K	5%	1/4W
R828	1-249-417-11	CARBON	1K	5%	1/4W
R829	1-249-425-11	CARBON	4.7K	5%	1/4W
R830	1-249-418-11	CARBON	1.2K	5%	1/4W
R831	1-249-420-11	CARBON	1.8K	5%	1/4W
R832	1-249-423-11	CARBON	3.3K	5%	1/4W
R833	1-249-428-11	CARBON	8.2K	5%	1/4W
R834	1-249-417-11	CARBON	1K	5%	1/4W
R835	1-249-425-11	CARBON	4.7K	5%	1/4W
R836	1-249-418-11	CARBON	1.2K	5%	1/4W
R837	1-249-420-11	CARBON	1.8K	5%	1/4W
R838	1-249-423-11	CARBON	3.3K	5%	1/4W
R839	1-249-428-11	CARBON	8.2K	5%	1/4W
R840	1-249-417-11	CARBON	1K	5%	1/4W
R841	1-249-425-11	CARBON	4.7K	5%	1/4W
R842	1-249-418-11	CARBON	1.2K	5%	1/4W
R843	1-249-420-11	CARBON	1.8K	5%	1/4W
R844	1-249-423-11	CARBON	3.3K	5%	1/4W
R845	1-249-428-11	CARBON	8.2K	5%	1/4W
R846	1-249-417-11	CARBON	1K	5%	1/4W
R847	1-249-425-11	CARBON	4.7K	5%	1/4W
R848	1-249-418-11	CARBON	1.2K	5%	1/4W
R849	1-249-420-11	CARBON	1.8K	5%	1/4W
R850	1-249-423-11	CARBON	3.3K	5%	1/4W
R851	1-249-428-11	CARBON	8.2K	5%	1/4W
R852	1-249-425-11	CARBON	4.7K	5%	1/4W
R853	1-249-425-11	CARBON	4.7K	5%	1/4W
R855	1-249-433-11	CARBON	22K	5%	1/4W
R856	1-249-418-11	CARBON	1.2K	5%	1/4W
R857	1-249-420-11	CARBON	1.8K	5%	1/4W

Ref.No.	Part No.	Description			Remark
R859	1-249-425-11	CARBON	4.7K	5%	1/4W
R860	1-249-418-11	CARBON	1.2K	5%	1/4W
R861	1-249-420-11	CARBON	1.8K	5%	1/4W
R862	1-249-428-11	CARBON	8.2K	5%	1/4W
R865	1-249-418-11	CARBON	1.2K	5%	1/4W (CFD-768)
R866	1-249-418-11	CARBON	1.2K	5%	1/4W (CFD-768)
R867	1-249-417-11	CARBON	1K	5%	1/4W
R868	1-249-410-11	CARBON	270	5%	1/4W (CFD-768)
R869	1-249-410-11	CARBON	270	5%	1/4W (CFD-768)
R870	1-249-417-11	CARBON	1K	5%	1/4W
R871	1-249-429-11	CARBON	10K	5%	1/4W
R872	1-249-429-11	CARBON	10K	5%	1/4W
R873	1-249-429-11	CARBON	10K	5%	1/4W
R874	1-249-441-11	CARBON	100K	5%	1/4W
R875	1-249-441-11	CARBON	100K	5%	1/4W
R878	1-249-441-11	CARBON	100K	5%	1/4W
R879	1-249-441-11	CARBON	100K	5%	1/4W
R880	1-249-417-11	CARBON	1K	5%	1/4W
R881	1-249-417-11	CARBON	1K	5%	1/4W
R882	1-249-437-11	CARBON	47K	5%	1/4W
R883	1-249-410-11	CARBON	270	5%	1/4W
R884	1-249-418-11	CARBON	1.2K	5%	1/4W
R888	1-249-417-11	CARBON	1K	5%	1/4W
R893	1-249-418-11	CARBON	1.2K	5%	1/4W
R894	1-249-423-11	CARBON	3.3K	5%	1/4W
R899	1-249-429-11	CARBON	10K	5%	1/4W
R900	1-249-429-11	CARBON	10K	5%	1/4W

< SWITCH >

S801	1-572-199-11	SWITCH, KEY BOARD (-(VOLUME))
S802	1-572-199-11	SWITCH, KEY BOARD (⏭ (AMS/SEARCH))
S803	1-572-199-11	SWITCH, KEY BOARD (⏮ (AMS/SEARCH))
S804	1-572-199-11	SWITCH, KEY BOARD (-(TUNING/TIMESET))
S805	1-572-199-11	SWITCH, KEY BOARD (+(TUNING/TIMESET))
S806	1-572-199-11	SWITCH, KEY BOARD (+(VOLUME))
S807	1-572-199-11	SWITCH, KEY BOARD (BAND)
S808	1-572-199-11	SWITCH, KEY BOARD (+(RESET))
S809	1-572-199-11	SWITCH, KEY BOARD (ENTER/MEM)
S810	1-572-199-11	SWITCH, KEY BOARD (SOUND MODE)
S811	1-572-199-11	SWITCH, KEY BOARD (■)
S812	1-572-199-11	SWITCH, KEY BOARD (▶II)
S813	1-572-199-11	SWITCH, KEY BOARD (MODE)
S814	1-572-199-11	SWITCH, KEY BOARD (EDIT/PGM CLEAR)
S815	1-572-199-11	SWITCH, KEY BOARD (⏏ (OPEN/CLOSE))
S816	1-572-199-11	SWITCH, KEY BOARD (POWER)
S817	1-572-199-11	SWITCH, KEY BOARD (CLOCK)
S818	1-572-199-11	SWITCH, KEY BOARD (TIMER)
S819	1-572-199-11	SWITCH, KEY BOARD (STANDBY)
S820	1-572-199-11	SWITCH, KEY BOARD (SLEEP)

Ref.No.	Part No.	Description			Remark
S824	1-572-199-11	SWITCH, KEY BOARD (CD)			
S825	1-572-199-11	SWITCH, KEY BOARD (TAPE)			
S826	1-572-199-11	SWITCH, KEY BOARD (RADIO)			
S827	1-572-199-11	SWITCH, KEY BOARD (-(PRESET))			
S899	1-572-199-11	SWITCH, KEY BOARD (MEGA BASS)			
		< VIBRATOR >			
X801	1-579-901-11	OSCILLATOR, CERAMIC (4.19MHz)			
X802	1-567-098-00	OSCILLATOR, CRYSTAL (32.768kHz)			
**********					
*	1-645-055-13	HEAD RELAY BOARD			(CFD-768)
		**********			
		< CONNECTOR >			
* CN1	1-566-004-11	PIN, CONNECTOR (PC BOARD) 7P			
* CN2	1-695-017-11	HOUSING, CONNECTOR 7P			
**********					
*	1-647-659-11	H.P BOARD			
		*********			
		< CAPACITOR >			
C149	1-124-126-00	ELECT	47uF	20%	10V
C249	1-124-126-00	ELECT	47uF	20%	10V
C387	1-162-294-31	CERAMIC	0.001uF	10%	50V
		< JACK >			
J350	1-750-184-11	JACK, MICROPHONE (MIX MIC)			
J351	1-568-267-11	JACK (PHONES)			
		< COIL >			
L352	1-410-509-11	INDUCTOR	10uH		
L361	1-410-521-11	INDUCTOR	100uH		
L363	1-410-509-11	INDUCTOR	10uH		
		< RESISTOR >			
R150	1-249-409-11	CARBON	220	5%	1/4W
R250	1-249-409-11	CARBON	220	5%	1/4W
**********					
*	1-647-669-11	LEAF (45) BOARD			(CFD-758)
		**********			
		< SWITCH >			
S604	1-571-890-11	SWITCH, LEAF (MOTOR)			
S605	1-571-890-11	SWITCH, LEAF (REC)			
S606	1-571-890-11	SWITCH, LEAF (PLAY)			
**********					

Ref.No.	Part No.	Description			Remark
*	1-647-670-11	LEAF (70) BOARD			(CFD-768)
		**********			
		< CAPACITOR >			
C611	1-161-494-00	CERAMIC	0.022uF		25V
C612	1-161-494-00	CERAMIC	0.022uF		25V
C613	1-161-494-00	CERAMIC	0.022uF		25V
		< CONNECTOR >			
* CN606	1-561-651-00	SOCKET, CONNECTOR 7P			
* CN608	1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P			
		< SWITCH >			
S604	1-571-890-11	SWITCH, LEAF (MOTOR)			
S605	1-571-890-11	SWITCH, LEAF (REV)			
S606	1-571-890-11	SWITCH, LEAF (PLAY)			
S607	1-571-890-11	SWITCH, LEAF (FWD)			
**********					
*	A-3264-306-A	MAIN BOARD, COMPLETE			(CFD-758)
		**********			
*	A-3264-344-A	MAIN BOARD, COMPLETE			(CFD-768)
		**********			
*	1-751-074-11	WIRE, PARALLEL (FFC)			(CFD-768)
	7-685-647-79	SCREW +BVTP	3X10 TYPE2 N-S		
		< CAPACITOR >			
C101	1-162-291-31	CERAMIC	560PF	10%	50V
C102	1-162-291-31	CERAMIC	560PF	10%	50V
C103	1-162-286-31	CERAMIC	220PF	10%	50V
C104	1-162-286-31	CERAMIC	220PF	10%	50V
C105	1-130-486-00	MYLAR	0.018uF	10%	50V
C106	1-124-477-11	ELECT	47uF	20%	25V
C107	1-162-294-31	CERAMIC	0.001uF	10%	50V
C108	1-162-294-31	CERAMIC	0.001uF	10%	50V
C109	1-162-294-31	CERAMIC	0.001uF	10%	50V
C110	1-124-477-11	ELECT	47uF	20%	25V
C111	1-124-903-11	ELECT	1uF	20%	50V
C112	1-124-903-11	ELECT	1uF	20%	50V
C114	1-124-903-11	ELECT	1uF	20%	50V
C115	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C116	1-162-286-31	CERAMIC	220PF	10%	50V
C117	1-162-290-31	CERAMIC	470PF	10%	50V
C121	1-124-927-11	ELECT	4.7uF	20%	100V
C122	1-124-927-11	ELECT	4.7uF	20%	100V
C123	1-124-927-11	ELECT	4.7uF	20%	100V
C124	1-162-282-31	CERAMIC	100PF	10%	50V
C125	1-124-902-00	ELECT	0.47uF	20%	50V
C126	1-161-053-00	CERAMIC	0.015uF	10%	50V
C127	1-161-374-11	CERAMIC	0.0015uF	20%	50V

MAIN

Ref.No.	Part No.	Description		Remark	
C131	1-124-927-11	ELECT	4.7uF	20%	100V
C132	1-162-282-31	CERAMIC	100PF	10%	50V
C133	1-161-772-11	CERAMIC	0.1uF	10%	25V
C134	1-161-377-00	CERAMIC	0.0047uF	30%	16V
C135	1-124-902-00	ELECT	0.47uF	20%	50V
C136	1-124-903-11	ELECT	1uF	20%	50V
C137	1-124-927-11	ELECT	4.7uF	20%	100V
C138	1-124-927-11	ELECT	4.7uF	20%	100V
C139	1-162-294-31	CERAMIC	0.001uF	10%	50V
C140	1-162-282-31	CERAMIC	100PF	10%	50V
C141	1-162-294-31	CERAMIC	0.001uF	10%	50V
C142	1-124-443-00	ELECT	100uF	20%	10V
C143	1-136-165-00	FILM	0.1uF	5%	50V
C144	1-130-489-00	MYLAR	0.033uF	5%	50V
C145	1-130-489-00	MYLAR	0.033uF	5%	50V
C146	1-124-443-00	ELECT	100uF	20%	10V
C147	1-124-443-00	ELECT	100uF	20%	10V
C160	1-162-282-31	CERAMIC	100PF	10%	50V
C191	1-162-282-31	CERAMIC	100PF	10%	50V
C201	1-162-291-31	CERAMIC	560PF	10%	50V
C202	1-162-291-31	CERAMIC	560PF	10%	50V
C203	1-162-286-31	CERAMIC	220PF	10%	50V
C204	1-162-286-31	CERAMIC	220PF	10%	50V
C205	1-130-486-00	MYLAR	0.018uF	10%	50V
C206	1-124-477-11	ELECT	47uF	20%	25V
C207	1-162-294-31	CERAMIC	0.001uF	10%	50V
C208	1-162-294-31	CERAMIC	0.001uF	10%	50V
C209	1-162-294-31	CERAMIC	0.001uF	10%	50V
C210	1-124-477-11	ELECT	47uF	20%	25V
C211	1-124-903-11	ELECT	1uF	20%	50V
C212	1-124-903-11	ELECT	1uF	20%	50V
C214	1-124-903-11	ELECT	1uF	20%	50V
C215	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C216	1-162-286-31	CERAMIC	220PF	10%	50V
C217	1-162-290-31	CERAMIC	470PF	10%	50V
C221	1-124-927-11	ELECT	4.7uF	20%	100V
C222	1-124-927-11	ELECT	4.7uF	20%	100V
C223	1-124-927-11	ELECT	4.7uF	20%	100V
C224	1-162-282-31	CERAMIC	100PF	10%	50V
C225	1-124-902-00	ELECT	0.47uF	20%	50V
C226	1-161-053-00	CERAMIC	0.015uF	10%	50V
C227	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C231	1-124-927-11	ELECT	4.7uF	20%	100V
C232	1-162-282-31	CERAMIC	100PF	10%	50V
C233	1-161-772-11	CERAMIC	0.1uF	10%	25V
C234	1-161-377-00	CERAMIC	0.0047uF	30%	16V
C235	1-124-902-00	ELECT	0.47uF	20%	50V
C236	1-124-903-11	ELECT	1uF	20%	50V
C237	1-124-927-11	ELECT	4.7uF	20%	100V
C238	1-124-927-11	ELECT	4.7uF	20%	100V
C239	1-162-294-31	CERAMIC	0.001uF	10%	50V
C240	1-162-282-31	CERAMIC	100PF	10%	50V
C241	1-162-294-31	CERAMIC	0.001uF	10%	50V
C242	1-124-443-00	ELECT	100uF	20%	10V
C243	1-136-165-00	FILM	0.1uF	5%	50V
C244	1-130-489-00	MYLAR	0.033uF	5%	50V
C245	1-130-489-00	MYLAR	0.033uF	5%	50V
C246	1-124-443-00	ELECT	100uF	20%	10V
C247	1-124-443-00	ELECT	100uF	20%	10V
C260	1-162-282-31	CERAMIC	100PF	10%	50V
C291	1-162-282-31	CERAMIC	100PF	10%	50V
C301	1-124-034-51	ELECT	33uF	20%	16V
C302	1-124-443-00	ELECT	100uF	20%	10V
C303	1-126-101-11	ELECT	100uF	20%	16V
C304	1-126-176-11	ELECT	220uF	20%	10V
C305	1-124-925-11	ELECT	2.2uF	20%	100V
C306	1-124-034-51	ELECT	33uF	20%	16V
C307	1-124-443-00	ELECT	100uF	20%	10V
C308	1-124-034-51	ELECT	33uF	20%	16V
C309	1-124-907-11	ELECT	10uF	20%	50V
C311	1-130-481-00	MYLAR	0.0068uF	5%	50V
C312	1-130-483-00	MYLAR	0.01uF	5%	50V
C313	1-124-907-11	ELECT	10uF	20%	50V
C314	1-124-907-11	ELECT	10uF	20%	50V
C315	1-161-377-00	CERAMIC	0.0047uF	30%	16V
C316	1-130-482-00	MYLAR	0.0082uF	5%	50V
C317	1-130-476-00	MYLAR	0.0027uF	5%	50V
C318	1-130-467-00	MYLAR	470PF	5%	50V
C319	1-130-472-00	MYLAR	0.0012uF	5%	50V
C320	1-101-004-00	CERAMIC	0.01uF		50V
C321	1-162-282-31	CERAMIC	100PF	10%	50V
C322	1-162-306-11	CERAMIC	0.01uF	20%	16V
C323	1-124-907-11	ELECT	10uF	20%	50V
C324	1-162-306-11	CERAMIC	0.01uF	20%	16V
C325	1-124-907-11	ELECT	10uF	20%	50V
C326	1-162-211-31	CERAMIC	33PF	5%	50V
C328	1-124-477-11	ELECT	47uF	20%	25V
C331	1-124-902-00	ELECT	0.47uF	20%	50V
C332	1-162-294-31	CERAMIC	0.001uF	10%	50V
C333	1-124-903-11	ELECT	1uF	20%	50V
C334	1-162-291-31	CERAMIC	560PF	10%	50V
C336	1-124-477-11	ELECT	47uF	20%	25V
C337	1-162-282-31	CERAMIC	100PF	10%	50V
C339	1-124-477-11	ELECT	47uF	20%	25V
C340	1-124-477-11	ELECT	47uF	20%	25V
C341	1-124-034-51	ELECT	33uF	20%	16V
C342	1-124-477-11	ELECT	47uF	20%	25V
C343	1-124-477-11	ELECT	47uF	20%	25V
C344	1-124-034-51	ELECT	33uF	20%	16V
C345	1-124-034-51	ELECT	33uF	20%	16V

Ref.No.	Part No.	Description			Remark
C346	1-124-477-11	ELECT	47uF	20%	25V
C347	1-126-176-11	ELECT	220uF	20%	10V
C348	1-124-477-11	ELECT	47uF	20%	25V
C349	1-124-034-51	ELECT	33uF	20%	16V
C350	1-124-443-00	ELECT	100uF	20%	10V
C352	1-124-477-11	ELECT	47uF	20%	25V
C353	1-161-772-11	CERAMIC	0.1uF	10%	25V
C354	1-162-306-11	CERAMIC	0.01uF	20%	16V
C355	1-136-173-00	FILM	0.47uF	5%	50V
C356	1-124-120-11	ELECT	220uF	20%	25V
C357	1-124-604-00	ELECT	330uF	20%	10V
C358	1-126-176-11	ELECT	220uF	20%	10V
C359	1-162-306-11	CERAMIC	0.01uF	20%	16V
C360	1-124-443-00	ELECT	100uF	20%	10V
C361	1-162-306-11	CERAMIC	0.01uF	20%	16V
C362	1-124-907-11	ELECT	10uF	20%	50V
C363	1-124-907-11	ELECT	10uF	20%	50V
C364	1-126-176-11	ELECT	220uF	20%	10V
C365	1-126-101-11	ELECT	100uF	20%	16V
C366	1-162-306-11	CERAMIC	0.01uF	20%	16V
C367	1-162-306-11	CERAMIC	0.01uF	20%	16V
C368	1-162-306-11	CERAMIC	0.01uF	20%	16V
C369	1-124-480-11	ELECT	470uF	20%	25V
C370	1-124-477-11	ELECT	47uF	20%	25V
C371	1-124-480-11	ELECT	470uF	20%	25V
C375	1-162-282-31	CERAMIC	100PF	10%	50V
C376	1-162-282-31	CERAMIC	100PF	10%	50V
C377	1-162-282-31	CERAMIC	100PF	10%	50V
C378	1-162-282-31	CERAMIC	100PF	10%	50V
C382	1-126-176-11	ELECT	220uF	20%	10V
C389	1-162-289-31	CERAMIC	390PF	10%	50V
C390	1-161-494-00	CERAMIC	0.022uF		25V
C391	1-162-282-31	CERAMIC	100PF	10%	50V
C392	1-161-039-00	CERAMIC	0.001uF	10%	50V
C395	1-124-034-51	ELECT	33uF	20%	16V
C396	1-136-173-00	FILM	0.47uF	5%	50V

< CONNECTOR >

* CN301	1-580-369-11	PIN, CONNECTOR (PC BOARD)	12P
* CN302	1-580-369-11	PIN, CONNECTOR (PC BOARD)	12P
* CN303	1-580-369-11	PIN, CONNECTOR (PC BOARD)	12P
* CN304	1-563-594-11	CONNECTOR, FLEXIBLE	17P
* CN306	1-506-986-11	PIN, CONNECTOR (PC BOARD)	4P
* CN307	1-506-990-11	PIN, CONNECTOR (PC BOARD)	8P
* CN308	1-563-586-11	CONNECTOR, FLEXIBLE	9P
CN310	1-562-088-00	SOCKET, CONNECTOR	9P
* CN311	1-506-709-11	PLUG, CONNECTOR (2.5MM)	7P
* CN313	1-506-509-11	PIN, CONNECTOR	4P
* CN314	1-560-532-00	PIN, CONNECTOR	7P

Ref.No.	Part No.	Description		Remark
		< DIODE >		
D101	8-719-911-19	DIODE	1SS119	
D201	8-719-911-19	DIODE	1SS119	
D301	8-719-911-19	DIODE	1SS119	
D303	8-719-911-19	DIODE	1SS119	
D304	8-719-911-19	DIODE	1SS119	
D305	8-719-911-19	DIODE	1SS119	
D306	8-719-110-08	DIODE	RD8.2ES-B2	
D307	8-719-911-19	DIODE	1SS119	
D308	8-719-911-19	DIODE	1SS119	
D309	8-719-911-19	DIODE	1SS119	
D310	8-719-911-19	DIODE	1SS119	
D311	8-719-110-08	DIODE	RD8.2ES-B2	
D312	8-719-110-08	DIODE	RD8.2ES-B2	
D313	8-719-982-15	DIODE	MTZJ-T-77-27B	
D330	8-719-911-19	DIODE	1SS119	
D334	8-719-200-02	DIODE	10E2	
D335	8-719-200-02	DIODE	10E2	
D337	8-719-911-19	DIODE	1SS119	
D338	8-719-911-19	DIODE	1SS119	
		< IC >		
IC301	8-759-143-54	IC	uPC1330HA	
IC302	8-759-096-55	IC	KIA6289N	(CFD-768)
IC302	8-759-711-28	IC	NJM2058D	(CFD-758)
IC303	8-759-068-07	IC	CD4052BCN	
IC304	1-807-547-11	IC	MC4558-C	
IC305	8-759-076-14	IC	KIA324P	(CFD-758)
IC305	8-759-711-28	IC	NJM2058D	(CFD-768)
IC306	8-759-060-74	IC	TC9213P	
IC307	8-759-822-51	IC	LA4620	
IC308	8-759-060-73	IC	NJU3713D	
IC309	8-759-996-77	IC	BA3924	
IC310	8-759-971-11	IC	PST529D	
IC311	8-759-912-55	IC	S-81250HG	
IC312	8-759-912-55	IC	S-81250HG	

< JACK >

* J301	1-536-708-41	TERMINAL BOARD, PUSH	4P (SPEAKER OUT)

< COIL >

L101	1-410-776-11	INDUCTOR	12mH
L201	1-410-776-11	INDUCTOR	12mH
L301	1-410-686-11	INDUCTOR	1mH
L302	1-410-509-11	INDUCTOR	10uH
L303	1-410-521-11	INDUCTOR	100uH
L304	1-410-521-11	INDUCTOR	100uH
L307	1-410-521-11	INDUCTOR	100uH
L309	1-410-521-11	INDUCTOR	100uH

MAIN

Ref.No.	Part No.	Description	Remark
		< TRANSISTOR >	
Q101	8-729-806-30	TRANSISTOR 2SC4048	
Q103	8-729-806-30	TRANSISTOR 2SC4048	
Q104	8-729-806-30	TRANSISTOR 2SC4048	
Q105	8-729-806-30	TRANSISTOR 2SC4048	
Q106	8-729-806-30	TRANSISTOR 2SC4048	
Q107	8-729-806-30	TRANSISTOR 2SC4048	
Q108	8-729-806-30	TRANSISTOR 2SC4048	
Q109	8-729-016-42	TRANSISTOR KTC3199GR-TP	
Q110	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q201	8-729-806-30	TRANSISTOR 2SC4048	
Q203	8-729-806-30	TRANSISTOR 2SC4048	
Q204	8-729-806-30	TRANSISTOR 2SC4048	
Q205	8-729-806-30	TRANSISTOR 2SC4048	
Q206	8-729-806-30	TRANSISTOR 2SC4048	
Q207	8-729-806-30	TRANSISTOR 2SC4048	
Q208	8-729-806-30	TRANSISTOR 2SC4048	
Q209	8-729-016-42	TRANSISTOR KTC3199GR-TP	
Q210	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q301	1-807-545-11	TRANSISTOR KSC1008-Y	
Q302	8-729-806-30	TRANSISTOR 2SC4048	
Q303	8-729-806-30	TRANSISTOR 2SC4048	
Q304	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q305	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q306	8-729-806-30	TRANSISTOR 2SC4048	
Q307	8-729-924-90	TRANSISTOR 2SB1370-EF	
Q308	8-729-902-80	TRANSISTOR DTA114YS	
Q309	8-729-806-30	TRANSISTOR 2SC4048	
Q310	8-729-902-80	TRANSISTOR DTA114YS	
Q311	8-729-902-80	TRANSISTOR DTA114YS	
Q312	8-729-806-30	TRANSISTOR 2SC4048	
Q313	8-729-209-15	TRANSISTOR 2SD2012	
Q314	8-729-801-84	TRANSISTOR 2SB1013-4	
Q315	8-729-806-30	TRANSISTOR 2SC4048	
Q316	8-729-806-30	TRANSISTOR 2SC4048	
Q317	8-729-806-30	TRANSISTOR 2SC4048	
Q318	8-729-902-80	TRANSISTOR DTA114YS	
Q322	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q404	8-729-904-36	TRANSISTOR DTC114YS	(CFD-768)
		< RESISTOR >	
R101	1-249-417-11	CARBON 1K 5% 1/4W	
R102	1-249-417-11	CARBON 1K 5% 1/4W	
R103	1-249-405-11	CARBON 100 5% 1/4W	
R104	1-247-885-00	CARBON 180K 5% 1/4W	
R105	1-249-427-11	CARBON 6.8K 5% 1/4W	
R106	1-249-427-11	CARBON 6.8K 5% 1/4W	
R107	1-247-885-00	CARBON 180K 5% 1/4W	
R108	1-247-890-11	CARBON 300K 5% 1/4W	
R109	1-249-407-11	CARBON 150 5% 1/4W	
R110	1-249-429-11	CARBON 10K 5% 1/4W	
R111	1-249-418-11	CARBON 1.2K 5% 1/4W	
R112	1-249-405-11	CARBON 100 5% 1/4W	
R113	1-249-428-11	CARBON 8.2K 5% 1/4W	
R114	1-249-432-11	CARBON 18K 5% 1/4W	
R115	1-249-421-11	CARBON 2.2K 5% 1/4W	
R116	1-249-417-11	CARBON 1K 5% 1/4W	
R117	1-249-440-11	CARBON 82K 5% 1/4W	
R118	1-249-428-11	CARBON 8.2K 5% 1/4W	
R119	1-249-423-11	CARBON 3.3K 5% 1/4W	
R121	1-249-439-11	CARBON 68K 5% 1/4W	
R122	1-249-432-11	CARBON 18K 5% 1/4W	
R123	1-249-430-11	CARBON 12K 5% 1/4W	
R124	1-249-432-11	CARBON 18K 5% 1/4W	
R125	1-249-431-11	CARBON 15K 5% 1/4W	
R126	1-247-881-00	CARBON 120K 5% 1/4W	
R127	1-249-429-11	CARBON 10K 5% 1/4W	
R128	1-247-828-11	CARBON 750 5% 1/4W	
R129	1-249-417-11	CARBON 1K 5% 1/4W	
R131	1-249-433-11	CARBON 22K 5% 1/4W	
R132	1-249-431-11	CARBON 15K 5% 1/4W	
R133	1-247-895-00	CARBON 470K 5% 1/4W	
R134	1-247-895-00	CARBON 470K 5% 1/4W	
R135	1-247-895-00	CARBON 470K 5% 1/4W	
R136	1-249-433-11	CARBON 22K 5% 1/4W	
R137	1-249-430-11	CARBON 12K 5% 1/4W	
R138	1-249-429-11	CARBON 10K 5% 1/4W	
R139	1-249-429-11	CARBON 10K 5% 1/4W	
R141	1-247-903-91	CARBON 1M 5% 1/4W	
R142	1-247-903-91	CARBON 1M 5% 1/4W	
R143	1-247-887-00	CARBON 220K 5% 1/4W	
R144	1-249-418-11	CARBON 1.2K 5% 1/4W	
R146	1-249-421-11	CARBON 2.2K 5% 1/4W	
R147	1-249-417-11	CARBON 1K 5% 1/4W	
R148	1-249-385-11	CARBON 2.2 5% 1/6W	
R149	1-249-385-11	CARBON 2.2 5% 1/6W	
R151	1-249-425-11	CARBON 4.7K 5% 1/4W	
R161	1-249-441-11	CARBON 100K 5% 1/4W	
R201	1-249-417-11	CARBON 1K 5% 1/4W	
R202	1-249-417-11	CARBON 1K 5% 1/4W	
R203	1-249-405-11	CARBON 100 5% 1/4W	
R204	1-247-885-00	CARBON 180K 5% 1/4W	
R205	1-249-427-11	CARBON 6.8K 5% 1/4W	
R206	1-249-427-11	CARBON 6.8K 5% 1/4W	
R207	1-247-885-00	CARBON 180K 5% 1/4W	
R208	1-247-890-11	CARBON 300K 5% 1/4W	
R209	1-249-407-11	CARBON 150 5% 1/4W	
R210	1-249-429-11	CARBON 10K 5% 1/4W	
R211	1-249-418-11	CARBON 1.2K 5% 1/4W	

Ref. No.	Part No.	Description				Remark
R212	1-249-405-11	CARBON	100	5%	1/4W	
R213	1-249-428-11	CARBON	8.2K	5%	1/4W	
R214	1-249-432-11	CARBON	18K	5%	1/4W	
R215	1-249-421-11	CARBON	2.2K	5%	1/4W	
R216	1-249-417-11	CARBON	1K	5%	1/4W	
R217	1-249-440-11	CARBON	82K	5%	1/4W	
R218	1-249-428-11	CARBON	8.2K	5%	1/4W	
R219	1-249-423-11	CARBON	3.3K	5%	1/4W	
R221	1-249-439-11	CARBON	68K	5%	1/4W	
R222	1-249-432-11	CARBON	18K	5%	1/4W	
R223	1-249-430-11	CARBON	12K	5%	1/4W	
R224	1-249-432-11	CARBON	18K	5%	1/4W	
R225	1-249-431-11	CARBON	15K	5%	1/4W	
R226	1-247-881-00	CARBON	120K	5%	1/4W	
R227	1-249-429-11	CARBON	10K	5%	1/4W	
R228	1-247-828-11	CARBON	750	5%	1/4W	
R229	1-249-417-11	CARBON	1K	5%	1/4W	
R231	1-249-433-11	CARBON	22K	5%	1/4W	
R232	1-249-431-11	CARBON	15K	5%	1/4W	
R233	1-247-895-00	CARBON	470K	5%	1/4W	
R234	1-247-895-00	CARBON	470K	5%	1/4W	
R235	1-247-895-00	CARBON	470K	5%	1/4W	
R236	1-249-433-11	CARBON	22K	5%	1/4W	
R237	1-249-430-11	CARBON	12K	5%	1/4W	
R238	1-249-429-11	CARBON	10K	5%	1/4W	
R239	1-249-429-11	CARBON	10K	5%	1/4W	
R241	1-247-903-91	CARBON	1M	5%	1/4W	
R242	1-247-903-91	CARBON	1M	5%	1/4W	
R243	1-247-887-00	CARBON	220K	5%	1/4W	
R244	1-249-418-11	CARBON	1.2K	5%	1/4W	
R246	1-249-421-11	CARBON	2.2K	5%	1/4W	
R247	1-249-417-11	CARBON	1K	5%	1/4W	
R248	1-249-385-11	CARBON	2.2	5%	1/6W	
R249	1-249-385-11	CARBON	2.2	5%	1/6W	
R251	1-249-425-11	CARBON	4.7K	5%	1/4W	
R261	1-249-441-11	CARBON	100K	5%	1/4W	
R300	1-249-423-11	CARBON	3.3K	5%	1/4W	
R302	1-249-405-11	CARBON	100	5%	1/4W	
R303	1-249-429-11	CARBON	10K	5%	1/4W	
R304	1-249-423-11	CARBON	3.3K	5%	1/4W	
R305	1-249-429-11	CARBON	10K	5%	1/4W	
R306	1-249-429-11	CARBON	10K	5%	1/4W	
R307	1-249-405-11	CARBON	100	5%	1/4W	
R308	1-247-903-91	CARBON	1M	5%	1/4W	
R309	1-249-417-11	CARBON	1K	5%	1/4W	
R310	1-249-425-11	CARBON	4.7K	5%	1/4W	
R311	1-249-425-11	CARBON	4.7K	5%	1/4W	
R313	1-249-393-11	CARBON	10	5%	1/4W	
R314	1-249-401-11	CARBON	47	5%	1/4W	
R315	1-249-429-11	CARBON	10K	5%	1/4W	

Ref. No.	Part No.	Description				Remark
R316	1-249-393-11	CARBON	10	5%	1/4W	
R317	1-249-423-11	CARBON	3.3K	5%	1/4W	
R318	1-249-440-11	CARBON	82K	5%	1/4W	
R319	1-249-437-11	CARBON	47K	5%	1/4W	
R320	1-249-441-11	CARBON	100K	5%	1/4W	
R321	1-249-405-11	CARBON	100	5%	1/4W	
R324	1-249-405-11	CARBON	100	5%	1/4W	
R325	1-249-425-11	CARBON	4.7K	5%	1/4W	
R326	1-249-419-11	CARBON	1.5K	5%	1/4W	
R327	1-249-437-11	CARBON	47K	5%	1/4W	
R328	1-249-429-11	CARBON	10K	5%	1/4W	
R330	1-249-437-11	CARBON	47K	5%	1/4W	
R331	1-249-437-11	CARBON	47K	5%	1/4W	
R332	1-249-437-11	CARBON	47K	5%	1/4W	
R333	1-249-401-11	CARBON	47	5%	1/4W	
R334	1-249-437-11	CARBON	47K	5%	1/4W	
R335	1-249-405-11	CARBON	100	5%	1/4W	
R336	1-249-425-11	CARBON	4.7K	5%	1/4W	
R337	1-249-425-11	CARBON	4.7K	5%	1/4W	
R338	1-249-429-11	CARBON	10K	5%	1/4W	
R339	1-249-429-11	CARBON	10K	5%	1/4W	
R340	1-249-429-11	CARBON	10K	5%	1/4W	
R341	1-249-429-11	CARBON	10K	5%	1/4W	
R342	1-249-429-11	CARBON	10K	5%	1/4W	
R344	1-249-405-11	CARBON	100	5%	1/4W	
R345	1-249-418-11	CARBON	1.2K	5%	1/4W	
R346	1-249-418-11	CARBON	1.2K	5%	1/4W	
R347	1-249-405-11	CARBON	100	5%	1/4W	
R349	1-249-429-11	CARBON	10K	5%	1/4W	
R351	1-249-429-11	CARBON	10K	5%	1/4W	
R352	1-249-418-11	CARBON	1.2K	5%	1/4W	
R353	1-249-425-11	CARBON	4.7K	5%	1/4W	
R354	1-249-414-11	CARBON	560	5%	1/4W	
⚠R355	1-219-149-11	FUSIBLE	1	5%	1/4W	F
R356	1-249-429-11	CARBON	10K	5%	1/4W	
R357	1-249-421-11	CARBON	2.2K	5%	1/4W	
R358	1-249-411-11	CARBON	330	5%	1/4W	
R359	1-247-887-00	CARBON	220K	5%	1/4W	
R360	1-247-895-00	CARBON	470K	5%	1/4W	
R382	1-249-421-11	CARBON	2.2K	5%	1/4W	
R383	1-249-437-11	CARBON	47K	5%	1/4W	
R391	1-249-429-11	CARBON	10K	5%	1/4W	
R392	1-249-417-11	CARBON	1K	5%	1/4W	

Note:
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Replace only with part number specified.

Note:
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Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN | MEGABASS | POWER

Ref.No.	Part No.	Description			Remark
R394	1-249-437-11	CARBON	47K	5%	1/4W
R395	1-249-429-11	CARBON	10K	5%	1/4W
		< SWITCH >			
S301	1-571-307-11	SWITCH, SLIDE (ISS)			
		< TRANSFORMER >			
T301	1-433-372-11	TRANSFORMER, BIAS OSCILLATION			
T302	1-450-126-11	TRANSFORMER, DC-DC CONVERTER			
**********					
*	A-3264-308-A	MEGABASS BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C151	1-124-907-11	ELECT	10uF	20%	50V
C152	1-161-772-11	CERAMIC	0.1uF	10%	25V
C153	1-161-772-11	CERAMIC	0.1uF	10%	25V
C154	1-124-464-11	ELECT	0.22uF	20%	50V
C155	1-162-282-31	CERAMIC	100PF	10%	50V
C156	1-124-927-11	ELECT	4.7uF	20%	100V
C157	1-161-039-00	CERAMIC	0.001uF	10%	50V
C251	1-124-907-11	ELECT	10uF	20%	50V
C252	1-161-772-11	CERAMIC	0.1uF	10%	25V
C253	1-161-772-11	CERAMIC	0.1uF	10%	25V
C254	1-124-464-11	ELECT	0.22uF	20%	50V
C255	1-162-282-31	CERAMIC	100PF	10%	50V
C256	1-124-927-11	ELECT	4.7uF	20%	100V
C257	1-161-039-00	CERAMIC	0.001uF	10%	50V
C377	1-124-902-00	ELECT	0.47uF	20%	50V
C378	1-124-927-11	ELECT	4.7uF	20%	100V
C379	1-124-910-11	ELECT	47uF	20%	50V
		< CONNECTOR >			
* CN315	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P			
* CN316	1-565-483-11	CONNECTOR, BOARD TO BOARD 7P			
		< DIODE >			
D340	8-719-911-19	DIODE 1SS119			
D341	8-719-911-19	DIODE 1SS119			
		< IC >			
IC313	1-807-547-11	IC MC4558-C			
		< TRANSISTOR >			
Q111	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q211	8-729-119-78	TRANSISTOR 2SC2785-HFE			

Ref.No.	Part No.	Description			Remark
		< RESISTOR >			
R115	1-247-895-00	CARBON	470K	5%	1/4W
R152	1-249-417-11	CARBON	1K	5%	1/4W
R153	1-249-419-11	CARBON	1.5K	5%	1/4W
R154	1-249-435-11	CARBON	33K	5%	1/4W
R156	1-247-895-00	CARBON	470K	5%	1/4W
R157	1-249-417-11	CARBON	1K	5%	1/4W
R215	1-247-895-00	CARBON	470K	5%	1/4W
R252	1-249-417-11	CARBON	1K	5%	1/4W
R253	1-249-419-11	CARBON	1.5K	5%	1/4W
R254	1-249-435-11	CARBON	33K	5%	1/4W
R256	1-247-895-00	CARBON	470K	5%	1/4W
R257	1-249-417-11	CARBON	1K	5%	1/4W
R361	1-249-405-11	CARBON	100	5%	1/4W
R362	1-249-429-11	CARBON	10K	5%	1/4W
R363	1-249-429-11	CARBON	10K	5%	1/4W
R364	1-247-903-91	CARBON	1M	5%	1/4W
R365	1-249-441-11	CARBON	100K	5%	1/4W
R366	1-249-417-11	CARBON	1K	5%	1/4W
**********					
*	1-647-667-11	POWER BOARD			
		**********			
	1-533-233-11	HOLDER, FUSE			
	3-379-748-01	SPRING (-)			
	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3			
		< CAPACITOR >			
C901	1-101-005-00	CERAMIC	22000PF		50V
C902	1-101-005-00	CERAMIC	22000PF		50V
C903	1-101-005-00	CERAMIC	22000PF		50V
C904	1-101-005-00	CERAMIC	22000PF		50V
C905	1-124-771-00	ELECT	6800uF	20%	25V
		< CONNECTOR >			
* CN901	1-506-782-11	PLUG, CONNECTOR (2.5MM) 7P			
		< DIODE >			
D901	8-719-510-68	DIODE D5SBA20F01			
		< FUSE >			
⚠F901	1-533-265-11	FUSE, GLASS TUBE (8A/125V)			

Note:
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Replace only with part number specified.

Note:
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Ref. No.	Part No.	Description				Remark
		< JACK >				
⚠J901	1-540-009-11	INLET, AC (AC IN)				
		< LINE FILTER >				
⚠LF901	1-424-150-11	TRANSFORMER, LINE FILTER				
		< TRANSFORMER >				
⚠T901	1-423-586-11	TRANSFORMER, POWER				
**********						
*	1-647-674-11	RELAY (70) BOARD				(CFD-768)
		**********				
		< CONNECTOR >				
* CNP603	1-560-532-00	PIN, CONNECTOR 7P				
* CNP606	1-560-532-00	PIN, CONNECTOR 7P				
**********						
*	1-647-660-11	RELAY (H.M) BOARD				
		**********				
* CNP357	1-560-943-00	PIN, CONNECTOR 9P				
		< COIL >				
L308	1-408-417-00	INDUCTOR	47uH			
L351	1-410-509-11	INDUCTOR	10uH			
**********						
*	1-644-428-11	SPEAKER (L) BOARD				
		**********				
		< CAPACITOR >				
C121	1-128-569-11	ELECT	4.7uF	20%	50V	
**********						
*	1-644-428-11	SPEAKER (R) BOARD				
		**********				
		< CAPACITOR >				
C221	1-128-569-11	ELECT	4.7uF	20%	50V	
**********						
*	A-3264-304-A	TC BOARD, COMPLETE				(CFD-758)
		**********				
*	A-3264-341-A	TC BOARD, COMPLETE				(CFD-768)
		**********				
	1-751-073-11	WIRE, PARALLEL (FFC)				(CFD-768)
		< CAPACITOR >				
C601	1-126-103-11	ELECT	470uF	20%	16V	(CFD-768)
C602	1-124-916-11	ELECT	22uF	20%	63V	(CFD-758)
C603	1-124-907-11	ELECT	10uF	20%	50V	
C604	1-124-916-11	ELECT	22uF	20%	63V	(CFD-768)
C605	1-124-927-11	ELECT	4.7uF	20%	100V	(CFD-758)
C606	1-161-494-00	CERAMIC	0.022uF		25V	(CFD-768)
		< CONNECTOR >				
* CN601	1-563-586-11	CONNECTOR, FLEXIBLE 9P				
* CN602	1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P				
* CN603	1-561-651-00	SOCKET, CONNECTOR 7P				(CFD-768)
* CN605	1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P				(CFD-768)
		< CONNECTOR >				
* CNP610	1-560-456-00	PIN, CONNECTOR 2P				
		< DIODE >				
D601	8-719-911-19	DIODE	1SS119			
D602	8-719-911-19	DIODE	1SS119			
D603	8-719-911-19	DIODE	1SS119			
D604	8-719-911-19	DIODE	1SS119			(CFD-758)
D605	8-719-911-19	DIODE	1SS119			(CFD-768)
D606	8-719-911-19	DIODE	1SS119			(CFD-768)
D607	8-719-911-19	DIODE	1SS119			(CFD-768)
D608	8-719-911-19	DIODE	1SS119			(CFD-768)
D609	8-719-911-19	DIODE	1SS119			
		< TRANSISTOR >				
Q601	8-729-801-84	TRANSISTOR	2SB1013-4			
Q602	8-729-806-30	TRANSISTOR	2SC4048			
Q603	8-729-902-80	TRANSISTOR	DTA114YS			
Q604	8-729-806-30	TRANSISTOR	2SC4048			
Q605	8-729-806-30	TRANSISTOR	2SC4048			
Q606	8-729-806-30	TRANSISTOR	2SC4048			
Q607	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q608	8-729-115-30	TRANSISTOR	2SK104H			
Q609	8-729-904-36	TRANSISTOR	DTC114YS			
Q610	8-729-115-30	TRANSISTOR	2SK104H			(CFD-768)
Q611	8-729-806-30	TRANSISTOR	2SC4048			(CFD-768)
Q612	8-729-806-30	TRANSISTOR	2SC4048			

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TC **TU**

Ref.No.	Part No.	Description				Remark
		< RESISTOR >				
R601	1-249-441-11	CARBON	100K	5%	1/4W	
R602	1-249-419-11	CARBON	1.5K	5%	1/4W	
R603	1-249-425-11	CARBON	4.7K	5%	1/4W	
R604	1-249-425-11	CARBON	4.7K	5%	1/4W	
R605	1-249-425-11	CARBON	4.7K	5%	1/4W	
R606	1-249-427-11	CARBON	6.8K	5%	1/4W	(CFD-758)
R606	1-249-441-11	CARBON	100K	5%	1/4W	(CFD-768)
R607	1-249-423-11	CARBON	3.3K	5%	1/4W	(CFD-758)
R607	1-249-426-11	CARBON	5.6K	5%	1/4W	(CFD-768)
R608	1-249-441-11	CARBON	100K	5%	1/4W	(CFD-768)
R609	1-247-850-11	CARBON	6.2K	5%	1/4W	(CFD-768)
R610	1-249-425-11	CARBON	4.7K	5%	1/4W	(CFD-758)
R611	1-249-425-11	CARBON	4.7K	5%	1/4W	(CFD-768)
R612	1-249-425-11	CARBON	4.7K	5%	1/4W	
⚠R651	1-219-149-11	FUSIBLE	1	5%	1/4W F	(CFD-768)
		< VARIABLE RESISTOR >				
RV601	1-230-495-11	RES, ADJ, CARBON 2.2K				
RV602	1-230-495-11	RES, ADJ, CARBON 2.2K				
RV603	1-230-495-11	RES, ADJ, CARBON 2.2K				(CFD-768)
RV604	1-230-495-11	RES, ADJ, CARBON 2.2K				(CFD-768)
		< SWITCH >				
S601	1-571-890-11	SWITCH, LEAF (HIGH SPEED DUBBING)				
S602	1-571-890-11	SWITCH, LEAF (MOTOR)				
S603	1-571-890-11	SWITCH, LEAF (SYNCHRO START)				(CFD-768)
**********						
*	A-3264-318-A	TU BOARD, COMPLETE				
		**********				
		< CAPACITOR >				
C1	1-102-945-00	CERAMIC	8.0PF	+-0.5PF	50V	
C2	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C3	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C4	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C5	1-163-088-00	CERAMIC CHIP	5PF		50V	
C6	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V	
C8	1-163-038-00	CERAMIC CHIP	0.1uF		25V	
C9	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C10	1-163-031-11	CERAMIC CHIP	0.01uF		50V	
C11	1-164-232-11	CERAMIC CHIP	0.01uF		50V	
C12	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V	
C13	1-124-126-00	ELECT	47uF	20%	10V	
C14	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V	
C15	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V	
C16	1-124-903-11	ELECT	1uF	20%	50V	
C17	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V	
C18	1-163-031-11	CERAMIC CHIP	0.01uF		50V	

Ref.No.	Part No.	Description			Remark
C19	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C20	1-124-903-11	ELECT	1uF	20%	50V
C21	1-124-907-11	ELECT	10uF	20%	50V
C22	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C23	1-124-443-00	ELECT	100uF	20%	10V
C24	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C25	1-102-824-00	CERAMIC	470PF	5%	50V
C26	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C27	1-162-847-11	CERAMIC	0.047uF	10%	16V
C28	1-162-839-11	CERAMIC	0.01uF	10%	16V
C29	1-162-827-11	CERAMIC	0.001uF	10%	16V
C30	1-102-951-00	CERAMIC	15PF	5%	50V
C31	1-162-827-11	CERAMIC	0.001uF	10%	16V
C32	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C33	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C34	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C35	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C36	1-124-907-11	ELECT	10uF	20%	50V
C37	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C38	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C39	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C40	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C41	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C42	1-136-177-00	FILM	1uF	5%	50V
C43	1-130-483-00	MYLAR	0.01uF	5%	50V
C44	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C45	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C48	1-162-839-11	CERAMIC	0.01uF	10%	16V
C49	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C50	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C51	1-124-902-00	ELECT	0.47uF	20%	50V
C52	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C53	1-124-902-00	ELECT	0.47uF	20%	50V
C54	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C55	1-124-907-11	ELECT	10uF	20%	50V
C68	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C69	1-124-927-11	ELECT	4.7uF	20%	100V
C70	1-124-903-11	ELECT	1uF	20%	50V
C71	1-124-443-00	ELECT	100uF	20%	10V
C72	1-124-907-11	ELECT	10uF	20%	50V
C73	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C74	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C77	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C78	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C79	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C81	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C82	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C83	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C84	1-164-232-11	CERAMIC CHIP	0.01uF		50V

Ref.No.	Part No.	Description	Remark
		< FILTER >	
CF1	1-578-781-11	FILTER, CERAMIC	
CF2	1-578-781-11	FILTER, CERAMIC	
CF3	1-578-781-11	FILTER, CERAMIC	
CF4	1-578-779-21	VIBLATOR, CERAMIC	
		< COMPOSITION CIRCUIT BLOCK >	
CFT1	1-239-173-11	ENCAPSULATED COMPONENT	
		< CONNECTOR >	
CN1	1-563-620-11	CONNECTOR, FLEXIBLE 17P	
		< TRIMMER >	
CT1	1-141-411-11	CAP, ADJ 20PF	
CT2	1-141-411-11	CAP, ADJ 20PF	
		< DIODE >	
D1	8-719-800-76	DIODE 1SS226	
D2	8-719-026-23	DIODE MA786	
D5	8-719-980-71	DIODE SVC342L-V	
D7	8-713-300-57	DIODE 1T33	
D8	8-713-300-57	DIODE 1T33	
		< FILTER >	
FL1	1-236-022-11	FILTER, BAND PASS	
		< IC >	
IC1	8-759-242-89	IC TA2012N	
IC2	8-759-823-81	IC LC7216M	
IC3	8-759-039-95	IC TA8176SN	
		< JUMPER RESISTOR >	
JR28	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR52	1-216-295-00	METAL CHIP 0 5% 1/10W	
JR53	1-216-295-00	METAL CHIP 0 5% 1/10W	
		< COIL >	
L1	1-406-483-11	COIL (OSC)	
L2	1-402-58*-11	ANTENNA, FERRITE-ROD (MW)	
L3	1-406-770-11	COIL, RF	
L6	1-406-484-21	COIL (OSC)	
L11	1-410-977-11	INDUCTOR 100uH	
L13	1-410-971-11	INDUCTOR 10uH	
L14	1-410-971-11	INDUCTOR 10uH	
L21	1-410-204-41	INDUCTOR CHIP 10uH	

Ref.No.	Part No.	Description	Remark
		< TRANSISTOR >	
Q1	8-729-920-38	TRANSISTOR 2SC2059K-N	
Q4	8-729-424-38	TRANSISTOR UN2110	
Q5	8-729-900-51	TRANSISTOR DTA114TK	
Q6	8-729-424-38	TRANSISTOR UN2110	
Q7	8-729-920-31	TRANSISTOR DTC343TK	
Q8	8-729-012-83	TRANSISTOR 2SK679A	
Q11	8-729-900-52	TRANSISTOR DTC114YK	
Q13	8-729-923-73	TRANSISTOR DTA123YK	
Q14	8-729-900-52	TRANSISTOR DTC114YK	
Q15	8-729-923-65	TRANSISTOR DTA143ZK	
Q16	8-729-900-52	TRANSISTOR DTC114YK	
Q17	8-729-923-73	TRANSISTOR DTA123YK	
Q18	8-729-421-19	TRANSISTOR UN2213	
Q19	8-729-923-73	TRANSISTOR DTA123YK	
Q21	8-729-920-31	TRANSISTOR DTC343TK	
Q22	8-729-920-31	TRANSISTOR DTC343TK	
		< RESISTOR >	
R1	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R2	1-216-021-00	METAL CHIP 68 5% 1/10W	
R3	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R4	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R5	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R6	1-216-013-00	METAL CHIP 33 5% 1/10W	
R7	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R8	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R9	1-216-035-00	METAL CHIP 270 5% 1/10W	
R10	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R11	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R12	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R14	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R15	1-216-033-00	METAL CHIP 220 5% 1/10W	
R17	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R18	1-216-027-00	METAL CHIP 120 5% 1/10W	
R19	1-216-037-00	METAL CHIP 330 5% 1/10W	
R20	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R21	1-216-021-00	METAL CHIP 68 5% 1/10W	
R22	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R23	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R24	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R25	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R26	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R27	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R29	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R30	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R31	1-216-049-00	METAL CHIP 1K 5% 1/10W	
R32	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R33	1-216-073-00	METAL CHIP 10K 5% 1/10W	

TU

Ref.No.	Part No.	Description			Remark
R34	1-216-073-00	METAL CHIP	10K	5%	1/10W
R37	1-216-025-00	METAL CHIP	100	5%	1/10W
R41	1-216-073-00	METAL CHIP	10K	5%	1/10W
R42	1-216-089-00	METAL CHIP	47K	5%	1/10W
R43	1-216-049-00	METAL CHIP	1K	5%	1/10W
R45	1-216-089-00	METAL CHIP	47K	5%	1/10W
R46	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R47	1-216-025-00	METAL CHIP	100	5%	1/10W
R48	1-216-017-00	METAL CHIP	47	5%	1/10W
R51	1-216-025-00	METAL CHIP	100	5%	1/10W
		< TRANSFORMER >			
T1	1-416-015-21	TRANSFORMER, IF			
		< VIBRATOR >			
X1	1-579-574-21	VIBRATOR, CRYSTAL (7.2MHz)			
**********					
		MISCELLANEOUS			
		**********			
606	1-949-833-11	HARNESS (SW (K))			
615	1-949-834-21	HARNESS (D)			
616	1-949-834-11	HARNESS (D)			
⚠660	8-848-246-01	OPTICAL PICK-UP BLOCK KSS-360A			
ANT1	1-501-383-21	ANTENNA, TELESCOPIC			
⚠F901	1-533-265-11	FUSE, GLASS TUBE (8A/125V)			
HE101	1-543-535-11	HEAD, MAGNETIC (ERASE)			(CFD-758)
HP101	1-543-628-11	HEAD, MAGNETIC (REC/PB)			
HP101	1-543-714-11	HEAD, MAGNETIC (REC/PB)			
HRP101	1-543-628-11	HEAD, MAGNETIC (REC/PB)			
HRPE1	1-543-944-11	HEAD, MAGNETIC (REC/PB/ERASE)			(CFD-768)
L701	1-410-678-31	MICRO INDUCTOR (220uH)			
L702	1-410-678-31	MICRO INDUCTOR (220uH)			
M601	X-3366-404-1	MOTOR ASSY (REEL/CAPSTAN)			(CFD-768)
M601	X-4920-924-1	MOTOR ASSY			(CFD-758)
M602	A-3253-408-A	MOTOR ASSY (9F)(REEL/CAPSTAN)			(CFD-768)
M701	X-2625-352-1	MOTOR ASSY, SLED			
M702	X-2625-354-1	MOTOR ASSY, SPINDLE			
M703	X-2625-350-1	MOTOR ASSY, LOADING			
S608	1-570-559-11	SWITCH, LEAF (DIR)			(CFD-768)
S609	1-571-348-11	SWITCH, LEAF (F/R)			(CFD-768)
S701	1-570-771-21	SWITCH (LIMIT)			
S702	1-692-053-11	SWITCH, LEAF (LOAD IN/OUT)			
SP901	1-544-047-11	SPEAKER (WOOFER) (L CH)			
SP902	1-544-047-11	SPEAKER (WOOFER) (R CH)			
SP903	1-544-701-11	SPEAKER (TWEETER) (L CH)			
SP904	1-544-701-11	SPEAKER (TWEETER) (R CH)			
**********					

Ref.No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
⚠	1-467-042-11	COMMANDER, STANDATD (RMT-C768)	
⚠	1-696-064-21	CORD, POWER (POLARIZED) (US)	
⚠	1-696-442-21	CORD, POWER (POLARIZED) (Canadian)	
*	3-380-832-01	CUSHION (TOP)	
*	3-387-864-01	INDIVIDUAL CARTON (CFD-758)	
*	3-387-867-01	INDIVIDUAL CARTON (CFD-768)	
	3-756-485-21	MANUAL, INSTRUCTION (ENGLISH)	
	3-756-485-31	MANUAL, INSTRUCTION (FRENCH)	
*	3-380-833-01	CUSHION (CENTER & BOTTOM)	

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****
HARDWARE LIST
****

#1	7-685-647-79	SCREW, TAPPING +BV 3X10	
#2	7-685-648-79	SCREW, TAPPING +BV 3X12	
#3	7-685-646-79	SCREW, TAPPING +BV 3X8	
#4	7-682-549-04	SCREW +B 3X10	
#5	7-682-548-04	SCREW +BVTT 3X8 (S)	(CFD-758)
#6	7-685-152-19	SCREW +BTP 3X25 TYPE2 N-S	(CFD-768)
#7	7-685-132-19	SCREW +P 2.6X5 TYPE2 NON-SLIT	
#8	7-685-144-19	SCREW +P 3X5 TYPE2 NON-SLIT	(CFD-758)
#9	7-621-775-20	SCREW +B 2.6X5	(CFD-768)
#10	7-685-133-19	SCREW +P 2.6X6 TYPE2	
#11	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
#12	7-685-105-19	SCREW +P 2X8 TYPE2 NON-SLIT	
#13	7-627-554-07	SCREW, PRECISION +P 2X2.2 TYPE3	
#14	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	
#15	7-627-850-18	SCREW, PRECISION +P 1.4X2.5	
#16	7-627-852-17	SCREW +P 1.7X4	
#17	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
#18	7-621-255-65	SCREW +PTT 2X10 (S)	(CFD-768)
#19	7-685-547-19	SCREW +BTP 3X10 TYPE2 N-S	

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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CFD-758/768

SONY®
SERVICE MANUAL

US Model
Canadian Model

SUPPLEMENT-1

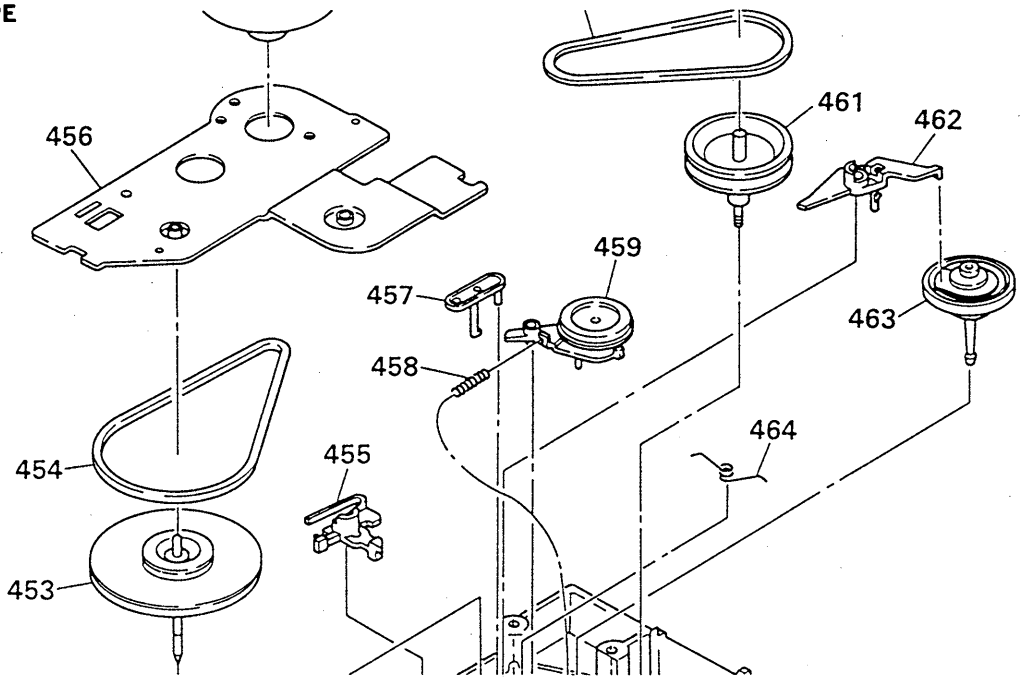
File this supplement with the service manual.

Subject: Change in the Mechanism Deck

The idler of the mechanism deck (MF-768-64PB) used for CFD-768 has been changed from tire drive to gear drive in design.
This change does not allow compatibility between the former and new parts.
When servicing and/or inspecting, check whether the idler (Ref. No. 459) is tire drive or gear drive in design.

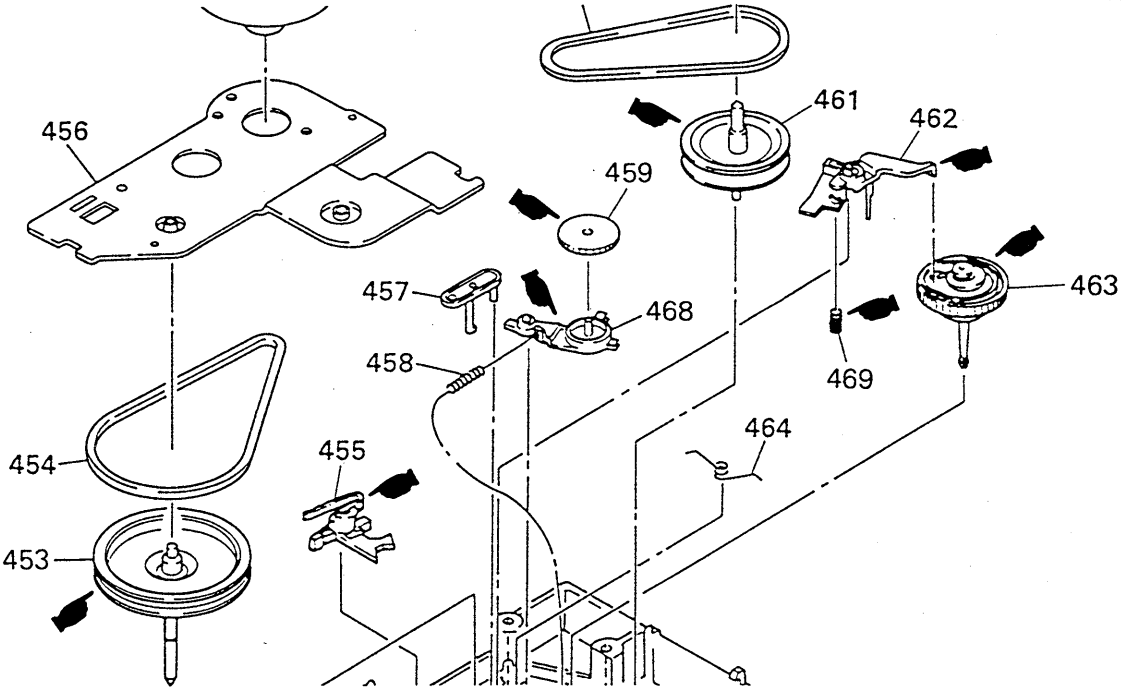
☛ : indicates changed portion.

FORMER TYPE



Ref. No.	Part No.	Description	Remark
453	X-4920-349-1	WHEEL (S) ASSY, CAPSTAN	
455	4-928-987-01	LEVER (T), SHUT-OFF	
459	X-4920-346-2	LEVER (S) ASSY IDLER	
461	X-4918-580-1	PULLEY ASSY, FR	
462	4-928-986-01	LEVER (S), SHUT-OFF	
463	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	

NEW TYPE



Ref. No.	Part No.	Description	Remark
453	X-4920-923-1	WHEEL (W) ASSY, CAPSTAN	
455	3-904-620-21	LEVER (S. OFF) (T)	
459	3-904-615-21	GEAR (FWD)	
461	X-3366-943-1	PULLEY ASSY, GEAR	
462	3-904-621-21	LEVER (S. OFF) (S)	
463	X-3366-942-1	LIMITER ASSY, FWD	
468	3-904-619-21	LEVER (FWD)	
469	3-904-617-01	SPRING, COMPRESSION	

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